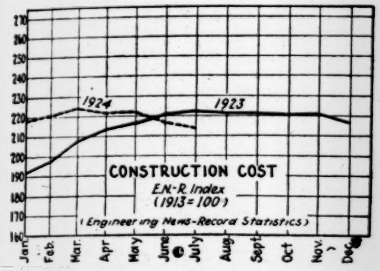
CONSTRUCTION NEWS

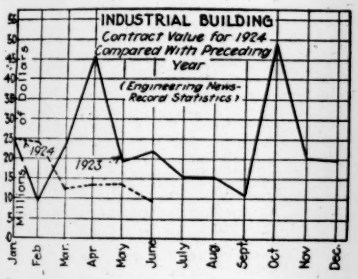
Engineering News-Record, July 10, 1924

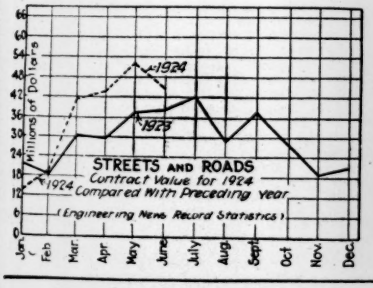
The Construction Barometer

Drop in Volume of Construction—Cost Decline Gradual—Increase in Number of Bids Desired on Large Sewer and Water-works Projects

THAT the actual physical volume of construction is decreasing despite lowered cost, is shown by the accompanying graphs of the *Engineering News-Record* Construction Cost and Volume Index Numbers. All classes of construction appear to have been affected by the slump with the exception of sewers, excavations, drainage and irrigation projects and Federal Government work. Since the week of June 19 the trend of contract letting has been erratic. Large contracts gained during the week of June 26 and dropped abruptly in the week ended July 3. During the period, June 26 to July 3, however, there was a slight gain in public building awards. The month of July started with an increased number of large sewer and water-works projects on which bids are now being asked.







Engineering News-Record Statistics

Minimum on water-works and excavations, $15,000; other public work, $25,000; industrial buildings, $40,000; commercial buildings, $150,000.

VALUE OF LARGE CONTRACTS LET IN THE UNITED STATES

Week Ended	Public Work	Private Work	Total Contracts
June 19	$15,360,000	$14,283,000	$29,643,000
June 26	23,038,000	14,521,000	37,559,000
July 3	14,542,000	7,469,000	22,011,000
3 weeks	$52,940,000	$36,273,000	$89,213,000

LARGE BUILDING CONTRACTS—NUMBER AND VALUE

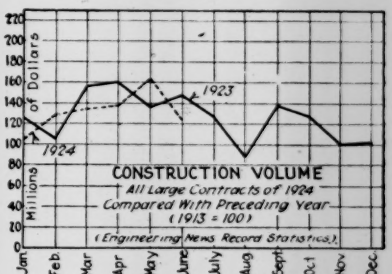
Week Ended	Public No.	Public Work	Private No.	Private Work
June 19	11	$3,150,000	32	$12,604,000
June 26	12	2,170,000	30	7,414,000
July 3	6	3,530,000	19	5,845,000
3 weeks	29	$8,850,000	81	$25,863,000

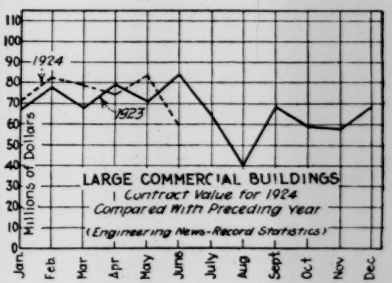
NUMBER OF LARGE JOBS NOW OUT FOR BIDS

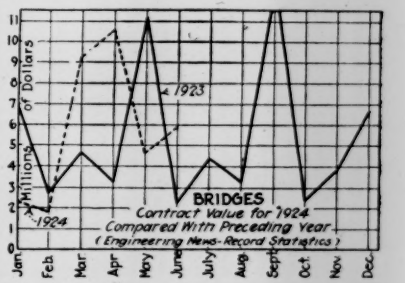
Week Ended	Private	Commercial Buildings	Streets and Roads	Water-works and Sewers	All Public
June 19	12	25	84	29	191
June 26	20	31	86	31	205
July 3	17	28	85	40	196

NO ABRUPT DROP IN BUILDING COSTS

	Quoted on July 10 at	Price was	On
Structurals, Pittsburgh, 100 lb.	$2.00 @2.20	$2.20	July 3
Cement, Chi., net bbl.	2.20	2.10	Jan. 24
Pine, N. Y., M. ft.	57.00	58.00	June 26
Fir, San Fran., M. ft.	36.00	38.00	Jan. 24
Common labor, hr...	.56	.55	Apr. 24







PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
July 11	St. George, N. Y.	July 3
July 12	Oxford, N. C.	July 3
July 14	Roslyn, Wash.	July 3
July 14	Iron Mountain, Mich.	July 3
July 14	St. Petersburg, Fla.	July 10
July 14	Kimberly, Wis.	July 10
July 14	Mukwonago, Wis.	July 10
July 15	Boston, Mass.	July 10
July 16	Shreveport, La.	June 5
July 16	Cleveland, O. Adv. July 3 and 10.	July 10
July 16	New York, N. Y.	July 10
July 16	Long Island City, N. Y.	July 10
July 17	Windsor, Ont.	June 26
July 17	Westerville, O.	June 26
July 18	Brooklyn, N. Y.	July 10
July 21	Denver, Colo. Adv. July 3 and 10.	July 3
July 22	Dallas, Tex.	July 10

SEWERS

Bids Close		See Eng. News-Record
July 14	Dumont, N. J.	June 26
July 14	New Jersey	June 26
July 14	Norfolk, Va.	July 3
July 14	St. Petersburg, Fla.	July 10
July 14	Long Island City, N. Y.	July 10
July 14	Daytona, Fla. Adv. July 10.	July 10
July 15	Jersey City, N. J. Adv. July 3 and 10.	July 3
July 15	Columbus, O.	July 10
July 16	Cleveland, O.	July 10
July 16	Baltimore, Md.	July 10
July 18	Port Washington, N. Y. Adv. July 3 and 10.	July 3
July 18	Clawson, Mich. Adv. July 3 and 10.	July 3
July 21	Port Chester, N. Y. Adv. July 3 and 10.	July 3
July 21	Hasbrouck Heights (Hackensack P. O.), N. J.	June 26
July 21	South Coatesville, Pa.	July 10
July 24	Bentonville, Ark.	July 10
July 28	Eldorado, Ark.	July 10
July 28	Punxsutawney, Pa. Adv. July 10.	July 10
July 31	Tulsa, Okla.	June 26
July 31	Richmond, Va.	July 10
Aug. 5	Corsicana, Tex. Adv. July 10.	July 10
Aug. 15	Waco, Tex.	July 3

WASTE DISPOSAL

Bids Close		See Eng. News-Record
July 14	Mankato, Minn.	July 3
July 29	Long Beach, Calif. Adv. July 10.	July 10

BRIDGES

Bids Close		See Eng. News-Record
July 14	St. Petersburg, Fla.	July 10
July 14	Kankakee, Ill.	July 10
July 15	Norristown, Pa. Adv. June 26 to July 10.	June 26
July 15	Kentucky	June 26

Bids Close		See Eng. News-Record
July 16	Phila., Pa.	June 26
July 16	Northwood, Ia.	July 10
July 17	Phila., Pa.	July 10
July 17	Michigan	July 10
July 17	North Adams, Mass. Adv. July 10.	July 10
July 19	Cambridge, Mass.	July 3
July 21	New Jersey Adv. July 3 and 10.	July 10
July 23	Florida Adv. June 26 to July 10.	June 26
July 24	Valhalla, N. Y. Adv. July 10.	July 10
July 28	South Beloit (Beloit, Wis., P. O.), Ill.	July 10
Aug. 4	Kentucky	July 10

DAMS

July 12	Wells, N. Y. Adv. July 3 and 10.	July 3

RAILWAYS

July 14	Florida	July 10

EXCAVATION, DRAINAGE IRRIGATION

July 12	Madisonville, Ky.	July 10
July 14	St. Petersburg, Fla.	July 10
July 15	Manteca, Calif.	July 10
July 15	Shrewsbury, La.	July 10
July 16	New York Adv. July 3 and 10.	July 3
July 17	Charleston, S. C.	July 10

STREETS AND ROADS

July 11	Mt. Holly, N. J. Adv. June 26 to July 10.	June 26
July 11	New York Adv. July 3 and 10.	July 3
July 11	Alderson, W. Va.	July 3
July 11	Ohio	July 3
July 12	Cold Springs, N. Y.	June 26
July 12	Noblesville, Ind.	July 10
July 12	Marilla, N. Y.	July 10
July 14	Ft. Wayne, Ind.	July 10
July 14	Georgetown, Pa.	June 26
July 14	Laurel, Miss.	July 3
July 14	Michigan	July 3
July 14	St. Petersburg, Fla.	July 10
July 14	Akron, O.	July 10
July 14	Casper, Wyo.	July 10
July 14	Daytona, Fla. Adv. July 10.	July 10
July 14	Brighton (Boston P. O.), Mass.	July 10
July 14	Waterloo, Ia.	July 14
July 14	Santa Clara, Calif.	July 10
July 15	Willmar, Minn.	July 14
July 15	Quebec, Mich.	July 10
July 15	Columbus, O.	July 10
July 15	Michigan	July 3
July 15	Faribault, Minn.	June 5
July 15	Alabama	June 12
July 15	Kentucky	June 26
July 15	St. Louis, Mo.	June 26
July 15	Anoka, Minn.	June 26
July 15	National Park, N. J. Adv. June 26 to July 10.	June 26
July 15	Pennsylvania Adv. June 26 to July 10.	June 26
July 15	Toms River, N. J. Adv. July 3 and 10.	July 3
July 15	Massachusetts	July 10
July 15	Connecticut Adv. July 10.	July 10
July 15	North Milwaukee, Wis.	July 10
July 15	Sand Springs, Okla.	July 10
July 15	St. Paul, Minn.	July 10
July 16	Michigan	July 10
July 16	Fairmont, W. Va.	June 26
July 16	Winfield, Kan.	June 26
July 16	Nevada	July 10
July 16	Galesburg, Ill.	July 10
July 16	Cleveland, O.	July 10
July 16	New York, N. Y.	July 10
July 17	Teaneck (mail West Englewood), N. J.	July 3
July 17	Michigan	July 10
July 17	Garfield Heights (Cleveland P. O.), O.	July 10
July 17	Ponco City, Okla.	July 10
July 17	Long Island City, N. Y.	July 10
July 17	Lebanon, Tenn.	July 10
July 18	Quebec	July 10
July 18	Georgetown, Tex.	July 10
July 18	Hiawatha, Kan.	July 10
July 18	Fairmont, W. Va.	June 26
July 18	Kenyon, Minn.	July 10
July 19	Shreveport, La.	July 10
July 21	Cleveland, O.	July 10
July 21	Contra Costa, Calif.	July 10
July 21	Red Bank, N. J. Adv. July 3 and 10.	July 3
July 21	Springfield, N. J. Adv. July 3 and 10.	July 10
July 21	Oklahoma	July 10
July 21	Claremore, Okla.	July 10
July 21	Michigan	July 10
July 22	Louisiana	July 3
July 22	St. Louis, Mo.	June 26
July 22	Washington	July 10
July 22	Dallas, Tex.	July 10
July 22	Barboursville, W. Va.	July 10
July 22	Lakeland, Fla.	July 10
July 23	Amarillo, Tex.	July 10
July 24	Scarsdale, N. Y. Adv. July 10.	July 10
July 24	Goodland, Kan.	July 10
July 24	Louisiana	July 10
July 25	Olathe, Kan.	July 3
July 25	Sonora, Tex.	July 10
July 25	Hudson, N. Y. Adv. July 10.	July 10
July 28	Waseca, Ill.	July 10
July 29	St. Louis, Mo.	July 10
July 29	Pennsylvania Adv. July 10.	July 10
July 30	Mound City, Kan.	July 3
Aug. 1	Houston, Tex.	July 10
Aug. 4	Kentucky	July 10

BUILDINGS—INDUSTRIAL

July 15	Portland, Ore.	July 3
July 15	Anderson, Ind.	July 10
July 17	Detroit, Mich.	July 10
July 17	Owatonna, Minn.	July 10

BUILDINGS—COMMERCIAL

July 11	Everett, Mass.	July 10
July 11	Johnstown, Pa.	July 10
July 14	Ashland, O.	July 10
July 14	Boston, Mass.	July 10
July 15	Chicago, Ill.	July 10
July 15	Birmingham, Ala.	July 3
July 15	Taylor, Pa.	June 26
July 15	Iowa City, Ia.	July 10
July 15	Cleveland, O.	July 10
July 16	Texarkana, Tex.	July 10
July 16	Denver, Colo.	July 10
July 18	Milwaukee, Wis.	July 10
July 21	Parsons, Kan.	June 26
July 21	Decatur, Ill.	July 10
July 22	Norristown, Pa. Adv. June 26 to July 10.	June 26
July 22	St. Louis, Mo.	June 26
July 24	Canon City, Colo.	July 10
July 24	New Orleans, La.	July 3
July 26	Decatur, Ill.	July 10
Aug. 11	Greigsville, N. Y. Adv. July 10.	July 10

FEDERAL GOVERNMENT WORK

July 14	Post Office—St. Johnsbury, Vt.	June 26
July 15	Post Office — Waterloo, N. Y.	June 26
July 15	Road—Wyoming	July 10
July 16	Road—South Dakota	July 10
July 17	Post Office—Casper, Wyo.	July 3
July 18	Dredging — Providence, R. I. Adv. July 10.	July 10
July 21	Post Office—Jerseyville, Ill.	June 26
July 22	Road—North Little Rock, Ark. Adv. June 26 to July 10.	June 26
July 22	Steel—Louisville, Ky.	July 10
July 22	Steel, Castings, etc.—Louisville, Ky. Adv. June 26 to July 10.	June 26
July 22	Walks, etc.—Tupper Lake, N. Y. Adv. July 3 and 10.	July 3
July 23	Brush, Roles—Memphis, Tenn.	July 3
July 23	Grading—San Francisco, Calif.	June 26
July 23	Buildings — San Francisco, Calif.	June 26
July 24	Hydrated Lime—Louisville, Ky. Adv. June 26 to July 10.	June 26
July 28	Dredging—Texas Adv. July 3 and 10.	July 3
July 30	Store House Depot, etc.—Pearl Harbor, H. T.	June 5
Aug. 1	Steel Roof Trusses—Florence, Ala. Adv. July 10.	July 10
Aug. 4	Dredging — Galveston, Tex. Adv. July 10.	July 10
Aug. 5	Bridge—Florence, Ala. Adv. May 15 to July 10.	May 15
Aug. 13	Steel Water Tanks—Pearl Harbor, H. T.	July 3
Aug. 17	Dipper Dredges—Louisville, Ky. Adv. July 3 and 10.	July 10
Sept. 2	Chutes, etc.—Honolulu, H. I. Adv. July 3 and 10.	July 3

UNCLASSIFIED

July 14	Port Development—St. Petersburg, Fla.	July 10
July 14	Electric Distribution System and Steam Mains—Willmar, Minn.	July 10
July 15	Subway—Phila., Pa.	June 12
July 18	Bagging Garners, etc.—Brooklyn, N. Y. Adv. June 26 to July 10.	June 26
July 18	Heating and Plumbing—Oswego, N. Y. Adv. June 26 to July 10.	June 26
July 18	Dock, etc.—Waterford, N. Y.	June 26
Aug. 4	Insulators—Melbourne, Victoria, Australia	June 12
Sept. 15	Bushing Insulators—Melbourne, Victoria, Australia Adv. July 3 and 10.	July 10

MATERIAL AND EQUIPMENT

July 14	Fuel Oil—Boston, Mass.	July 10
July 15	Gravel—Baton Rouge, La.	July 10
July 16	Asphalt Sand and Cement—New York, N. Y.	July 10
Aug. 29	Dredger—Brisbane, Queensland, Australia	Apr. 10

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. Y., St. Johnsville—Making plans improving and extending water supply system. $15,000. J. P. Wells, Cutler Bldg., Rochester, hydraulic engr.

Pa., Elwyn—See "Streets and Roads."

Pa., Pine Ridge (Media P. O.)—See "Streets and Roads."

O., Cleveland—See "Streets and Roads."

Ill., Kewanee — Takes bids early in August 3 mi. mains. J. G. Palmer, city engr.

Mo., Burlington Junction — May take bids about July 15 waterworks and distribution system, 10 in. mains, 50,000 gal. tank on tower. $40,000 bonds voted for project.

Mo., St. Charles—Plans election $50,000 bonds water main and sewer extensions.

Tex., Irving—Irving Fresh Water Dist., Dallas Co., voted $25,000 bonds, 50,000 gal. tank and tower, mains and laterals, etc. Koch & Fowler, 606 Central Bank Bldg., Dallas, engrs. Noted June 19.

Tex., Kerens — Election soon $40,000 bonds new water system. Address Mayor. Noted July 3.

Tex., Lubbock—J. Hess had plans prepared waterworks, paving, etc., in 100 acre addition. $250,000. Myers & Noyes, Mercantile Bank Bldg., Dallas, engrs.

O., Cincinnati — Hamilton Co. plans Water Supply Line 2, in Dist. 1, Deer Park, 53,415 ft. 4- to 16-in. c.i. pipe, etc., $136,253; Water Supply 4, Dist. 1, 26,710 ft. 4- to 12-in. c.i. pipe, etc., $69,482. L. Q. Boyatt, Court House, engr.

Okla., Tulsa—Comrs. Water Impvt. Dist. 1, Tulsa Co., comprising the cities of Skiatook, Sperry and Turley and adjacent territory plans election soon $250,000 for water supply to connect with Spavinaw Project, here. Benham Eng. Co., 512 Gumbel Bldg., Kansas City, Mo., and J. G. Patton, Tulsa, engrs.

Wash., Arlington—City Council making plans for waterworks improvements. Stevens & Koon, Spaulding Bldg., Portland, engrs.

Calif., Belvedere — Marin Municipal Water Dist., San Rafael, plans to purchase site and build 2 m.g. storage tank, here.

Que., Farnham—Made plans rapid sand filter, 2 beds. $90,000. A. Plamondon, 70 St. James St., Montreal, engr.

BIDS DESIRED

Mass., Boston—July 15, by Supply Dept., City Hall, 360,000 lbs. iron castings, for Water Service, Pub. Wks. Dept. F. P. Rock, supt.

N. Y., Brooklyn — July 18, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Rockaway Parkway, Kenmore and Wolf Places, Fillmore, 23rd, M, O, T and V Aves., Coleman, Kimball, Milford, Van Sicklen, 62nd, 76th, 78th, East 4th, East 29th, East 56th, and West 6th Sts., here.

N. Y., Long Island City—July 16, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in 220th, Fremont, Johanna, Lydia, Theresa, Ursula, Viola and Wanda Places, Bayview, Griffin, Hollywood, Warwick, 9th, 29th and Continental Aves., Murray, 213th, Ingram, Lederer, Ramsey, Reynolds, Sybilla, and Van Dyke Sts., here.

N. Y., New York—July 16, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Bronx Park East, Edgewater and White Plains Rds., Barker, Colden, Laconia, Lurting, Mace, Mickle, Waring, Young, Lawrence and Van Nest Aves., Newport, Radcliff, Rhinelander and Rosedale Sts.

Waterworks (Continued)

Fla., St. Petersburg—July 14, by City Comn., waterworks and main extensions. $125,000. E. Kitchen, St. Petersburg, engr. Noted Apr. 3.

O., Cleveland—July 16, at office Commissioner of Purchases and Supplies, City Hall, chemical house and mixing chambers, also furnishing filter equipment. A. V. Ruggles, engr. of construction and surveys; adv. E. N.-R. July 10.

O., Columbus—See "Streets and Roads."

Wis., Kimberly — July 14, by H. W. Langenberg, village clk., 100,000 gal. steel tank on 110 ft. steel tower, rein.-con. reservoir, 100,000 gal. capacity, brick and tile pumphouse, etc., in connection with new system. A. E. McMahon, City Hall, Menasha, engr.

Wis., Mukwonago—July 14, by E. A. Austin, village clk., rein.-con. reservoir, 1 m.g. capacity, machinery for waterworks incl. belt driven air compressor and receiver, air lift pump, centrifugal pumps and motor for domestic and fire service, concrete sewage disposal tank and sludge bed. To exceed $15,000. R. Cramer, 1105 Vliet St., Milwaukee, engr. Noted May 8.

N. D., Fargo — Taking bids for filtration plant improvements, constructing new settling basins and well, 1 m.g. capacity. $65,000. R. T. Jacobson, city engr.

Tex., Dallas—July 22, by Mayor and City Comrs., water reservoir dam near Garza, Denton Co., main section dam will be earth fill aggregating 1,800,000 cu.yd. and built by hydraulic fill method, 27,000 cu.yd. concrete in conduits and spillways, core under main dam to be steel sheet piling. $5,000,000. Nagle & Thompson, Municipal Bldg., engrs. Noted June 5.

Tex., Malone — Taking bids complete waterworks system. 20,000 plus. Elrod Eng. Co., 3124 Elm St., Dallas, engrs.

BIDS RECEIVED

Tex., Dallas—Pipes, valves and fittings, from Amer. Casting Co., Atlanta, Ga., 36 in. pipe $10.50 per ft., etc., total $149,310.

Wash., Seattle—Cast iron mains in 8th Ave., N. W., et al., from Paduano & Orisman, 1546 12th St., 15,500 ft. 8 in. Class B pipe $2.09 per ft., 1,000 ft. 8 in. Class C pipe $2.22, 2,870 ft. 20 in. Class B pipe $6.98, total $70,954. Engrs. est. $76,753.

CONTRACTS AWARDED

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Foster, Lexington and Willoughby Aves., to Stanhy Constr. Co., Steinway Ave., Long Island City, $10,315. Noted July 3.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Compton Ave., etc., to Paladino Contg. Co., $7,813; mains in Anthony, College and Fowler Aves., etc., to Beaver Eng. & Contg. Co., 57 Chambers St., $16,913. Noted June 26.

Pa., Downingtown—To W. T Pollock, Downingtown, filter plant, 3 beds, each 500,000 gal. daily, 125 ft. concrete diversion dam, 10 ft. high, concrete pumping station for auxiliary supply and 2 centrifugal pumps, each 700 g.p.m. $40,050, laying 19,942 ft. c.i. pipe, $17,804; to U. S. Cast Iron Pipe & Fdry. Co., Morris Bldg., Phila., furnishing 19,942 ft. c.i. pipe 12 in. $2.25 per ft., 10 in. $1.75, 8 in. $1.30, 6 in. $0.90, 7 tons c.i. specials $120 per ton, total $34,667; to R. D. Wood, 400 Chestnut St., valves, four 12 in. $73.10, three 10 in. $58, five 8 in. $38.30, eleven 6 in. $24.40, two 4 in. $13.35, 10 fire hydrants $57.45. Noted May 8.

Md., Baltimore—Mayor and City Council, City Hall, trench excav. for Water Dept., Eastern Dist., will be done by day labor; Western and Southern Dists., to M. and J. B. McHugh, 892 Markoe St., Phila., Pa. $17,320. Noted July 3.

Fla., Daytona—L. E. Hough, city clk., extending mains, to E. G. Ladd, 61st St., Jacksonville, $60,154. Noted June 5.

Tenn., Lewisburg — General contract waterworks improvement, incl. filter, reservoir, mains, etc., to Sherman Machine & Iron Co., 18-32 East Main St., Oklahoma City, Okla., approximately $150,000. Noted May 22.

Mich., Iron Mountain — Bd. Water Comrs., laying 1,100 ft. 10 in., 6,600 ft. 8 in., 16,400 ft. 6 in. c.i. pipe, 38 hydrants, valves, etc., to Phelps-Drake Co., Iron Mountain, $22,830.

Wash., Tacoma — Replacing parts of Green River gravity pipe line with 2,600 ft. 60 in. and 1,100 ft. 48 in. riveted steel pipe, to Steel Tank & Pipe Co., Berkeley, Cal., $41,689. Noted June 26.

Wis., Milwaukee — Central Bd. Purchases, City Hall, to Kennedy Valve Co., 116 East Miller St., Elmira, N. Y., gate valves, 48 in. at $2,888, two 54 in. $2,624 each, four 30 in. $841 each. Noted June 19.

Tex., Ranger—F. A. Brown, city water comr., equipment for filters, to International Filter Co., 323 West 25th Pl., Chicago, $15,000.

Sewers

PROPOSED WORK

N. Y., Cortland—Bd. Pub. Wks. had plans prepared sanitary sewers in Thompson St., East and Parker Aves. To exceed $25,000. D. B. Coleman, city engr.

Pa., Bryn Athyn—Academy of New Church plans 2,000 ft. 8 in. pipe, Imhoff tank, sprinkling filter, chemical house sedimentation tank. $25,000. Franklin & Co., 1420 Chestnut St., Phila., engrs.

O., Cincinnati—Hamilton Co. plans Sewer 1 for Dist. 1 in Silverton, 41,270 ft. 6- to 12-in. vitr. clay pipe, $116,705; Sewer 2, for Dist. 1 in Fairfax-Madison Heights, Homer Ave., 29,775 ft. 6- and 8-in. vitr. clay pipe $74,709. L. C. Boyatt, Court House co., engr.

O., Cleveland—See "Streets and Roads."

O., New Philadelphia—Plans sanitary sewers in various streets in south side. $40,201. A. E. Slinsel, New Philadelphia, engr.

O., Toledo—Lucas Co. received no bids May 26, Sewer 97, Wernerts Park. $50,-777. Bids rejected on Sewer 95, $10,161. Will readvertise. Noted May 29.

Mo., Burlington Junction — May take bids about July 15 sewers. $30,000 bonds voted for project.

Mo., St. Charles—See "Waterworks."

Tex., Nederland—Plans sewerage system. To exceed $25,000. M. W. Oakley, city secy. Engineer not announced.

Tex., San Benito — See "Streets and Roads."

Wash., Yakima—Made plans and soon takes bids sewers in Nob Hill Dist. $50,-000. C. F. Wilson, city engr.

Calif., Oakland—See "Streets and Road."

Calif., Redlands — See "Streets and Roads."

Calif., Vallejo—Plans North Dist. sewerage system from Sonoma St. to Bay. To exceed $25,000. T. D. Kilkenny, city engr.

BIDS DESIRED

Conn., New Haven—Taking bids sewers and appurtenances in various streets. $25,-000. E. S. Nettleton, city engr.

N. Y., Long Island City—July 14, by M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., sewers in 4th and Union Aves.

N. Y., Long Island City—July 17, by M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., sewers in 40th Rd., Lawrence St., Peck and Blossom Aves.

N. J., Dumont—Mayor and Boro. Council, taking bids sewers. T. F. Bowe, 110 Williams St., New York City, consult. engr.; adv. E. N.-R. July 10.

Pa., Punxsutawney—July 28, by J. F. Crosby, secy. Town Council, sanitary sewers; adv. E. N.-R. July 10.

Pa., South Coatesville — July 21, by Boro Council 9,502 ft. 8- to 12-in. sewers, 42 manholes, Contr. 1.

Md., Baltimore—July 16, by Bd. Awards, sewers and drains in Contr. 71, 1,420 lin. ft. 27- to 36-in. rein.-con. pipe drain, 3,000 lin.ft. 10- to 15-in. vitr. pipe sewer and drains. B. L. Crozier, City Hall, highways engr.

Va., Richmond—July 31, at office A. J. Saville, dir. Pub. Wks., rein.-con. arch and box sewers, etc. $1,650,000; adv. E. N.-R. July 10.

Fla., Daytona—July 14, by L. E. Hough, city clk., City Hall, storm sewer extensions. Harrington, Howard & Ash, Kansas City, Mo., consult. engr.; adv. E. N.-R. July 10.

Fla., St. Petersburg—July 14, by City Comn., 36 in. trunk line sanitary sewers from 1st alley south to city plant, $54,000; storm sewers in 2nd and 4th Aves., 23rd, and 1st and 22nd Sts.; also laterals in Lee St., 6, 7, 10, 11th, and Lake View Aves., $160,-000. E. Ketchen, St. Petersburg, engr. Noted Apr. 3.

O., Cleveland — July 16, by Cuyahoga Co., 21,000 ft. 8- to 24-in. rein.-con., segmental block or tile sewer in Impvt. 37. R. F. MacDowell, co. engr.

O., Columbus—July 15, by W. H. Duffy, dir. Pub. Serv., 10,597 ft. 6- to 10-in. sanitary sewer in 3rd Ave., $18,805; 9,100 ft. 6- to 10-in. sewer in alley north of 5th Ave., $16,122.

O., Columbus—See "Streets and Roads."

Wis., Mukwonago — See "Streets and Roads."

Ark., Bentonville — July 24, by E. C. Pickens, secy. Sewer Impvt. Dist. 1, 14 mi. 6- to 24-in. sewers and disposal plant. W. L. Winters, Fort Smith, engr.

Tex., Houston—Taking bids sewers in McGowen, Bailey and Preston Sts. $25,-000. J. C. McVea, city engr.

Ark., El Dorado—July 28, Bd. Comrs. Impvt. Dist. 4, County Court, Union Co., 172,650 ft. 8- to 21-in. sewers, 345 manholes, 118 flush manholes, 80 lin.ft. extra depth manholes, 9,600 lb. c.i. rings and covers, 18 gate valves, 100 lb. I-beams, 7,500 lb. reinforced mesh, 132,000 lb. c.i. pipe, 800 cu.yd. concrete, 1,500 cu.yd. excav. in tanks, 3,500 lb. reinforcing, etc. Ford & MacCrea, 215 Gazette Bldg., Little Rock, engrs.

Tex., Corsicana—Aug. 5, by Mayor and Bd. City Comrs. additional unit to disposal plant. W. W. McClendon, city engr.; adv. E. N.-R. July 10.

Wyo., Casper—See "Streets and Roads."

Calif., Santa Ana—See "Streets and Roads."

BIDS RECEIVED

Ind., Indianapolis—For 15,075 ft. vitr. segmental block sewer in Pleasant Run, from Sheehan Constr. Co., Holiday Bldg., $328,593. Engrs. est. $330,000.

Wis., Milwaukee—Dept. Pub. Wks., June 28, vitr. sewers in Albert Pl. and Edgewater Ave., from Milwaukee Sewer & Drainage Co., 928 Humboldt Ave., $418 and $3,374 respectively; 55th St., from W. T. Werner, 675 Hi-Mount Blvd., $1,661, 56th and 57th Sts., from Szukalkski & Matke, 1089 American Ave., $999 and $1,206, respectively, Maple St. and Newport Ave., from A. Kehrein, 1312 10th St., $415 and $366 respectively; 55th St., from J. B. Forestal, 215 15th St., $7,738; rein.-con. box sewer in Townsend St., from Clayton Constr. Co., 397 Farwell Ave., $46,889.

Wash., Seattle—Sewers in Letitia Ave., et al., from Northwest Constr. Co., 1609 3rd St., clay $39,563, concrete $38,748.

Calif., Los Angeles — See "Streets and Roads."

CONTRACTS AWARDED

Massachusetts — Metropolitan Dist. Comn., 1 Ashburton Pl., Boston, Mill Brook Valley Sewer, div. North Metropolitan sewer, here, to A. Barraffaldi Co., 52 Powder House Blvd., Somerville, $120,825. Noted June 26.

Mass., Adams—Bd. Selectmen, sewers in various streets, to General Contg. Co., Andover, $40,000. Noted June 19.

Mass., Newton — Rein.-con. culvert for Newtonville Drain, to A. D. Dadario, Edgewater Dr., Mattapan, $19,667. Engrs. est. $25,000. Noted June 26.

N. Y., Brooklyn—E. Rielgelmamm, boro pres., Boro Hall, (**e. e. means engineers estimate**), to E. Peconi & Son, Inc., 570 18th St., sewers in 55th St. 89% (e. e. $5,586), East 43rd St. 89% (e. e. $2,186); to Nazzerro & Querriero, West 9th St. 83.39% (e. e. $4,908), East 34th St. 82.82% (e. e. $4,782), East 27th St. 83.98% (e. e. $4,574), 77th St. 93.41% (e. e. $1,279); to Tomassetti & Co., Inc., 1133 60th St., Minna St. 86.86% (e. e. $3,573); to C. F. Vacharas, Inc., 645 40th St., East 13th St. 75.75% (e. e. $400). Noted June 26.

N. Y., New York—H. Bruckner, pres. Bronx Boro., 3rd and Tremont Aves., sewers in Gillespie Ave. to MacDonald & Wilson, $16,138; Philip Ave., to Knight & Demico, 448 East Tremont Ave., $29,385; Lafayette Ave., to C. W. MacDonald, West 10th St., Brooklyn, $10,090; West 230th St., to J. J. V. La Marsh, Inc., 1510 Appleton Ave., $49,570; West 256th St., to A. Musumecci & Son, 277 East 146th St., $20,322; Valles Ave., to Bronx Sewer Constr. Co., 375 East Fordham Rd., $14,305. Noted July 3.

N. Y., Syracuse—Intercepting Sewer Bd., force main from disposal plant, here, to Solvay, to C. T. Hookway, Wieting Blk., $63,000.

Pa., Phila—Bureau Surveys, to J. Lombardi Co., Lincoln Bldg., sewers in J St. $142,963; to P. & J. Ellis, 3342 North 11th St., Tyson St. $71,668, Cranford Ave. $162,-964, Benner St. $77,828; to H. Roberts Electric Supply Co., 1101 Race St., electric testing instruments $845; sedimentation units, North East Sewerage Treatment Works to Pangborne & Co., 1927 West Montgomery Ave. $2,296, to Roberts Filter Co., Darby, Contr. 1, $74,450, Contr. 3 $100,000, Contr. 4 $100,000. Noted June 26.

Md., Baltimore—Mayor and City Council, 950 ft. horseshoe section storm drain, 112 ft. in diam., in Sewer Dist. P-8, Contr. 69, to P. G. Ligon, 4100 Kate Ave., $49,-659. Noted July 3.

Md., Baltimore—Mayor and City Council, 14,641 lin.ft. 8 and 10 in. vitr. sewers, etc., in Dists. 1-B, 33-C and 47-D, Contr. 212, to P. Marocco, 609 South Decker Ave., $46,478. Noted June 26.

Fla., Daytona—L. E. Hough, city clk., constructing sewers, to E. L. Guest, Savannah, Ga., $44,000. Noted June 5.

La., Shreveport — See "Streets and Roads."

Sewers (Continued)

O., Cleveland—Bd. Comrs. Cuyahoga Co., 28,700 ft. 8- to 48-in. segmental block sewer in Ridge Rd., to Langahan Constr. Co., Marshall Bldg., $135,963.

O., Cleveland—For 3,650 ft. 8 ft. and 1,330 ft. 7 ft. 6 in. concrete sewer in West 130th St., to Gallagher-Burke Co., 1228 Bonnieview Ave., $198,853.

O., Toledo—Lucas Co., vitr. clay Sewer 93, Cresceus Heights, and Sewer 99, Euclid Park, to Peters Bros. Co., Spitzer Bldg., $78,879 and $29,727 respectively, engrs. est. $80,806 and $30,192 respectively; Sewer 100, Woodville Heights, to J. N. Bick, Nasby Bldg., $33,206, engrs. est. $34,365. Noted May 29.

Minn., Duluth—See "Streets and Roads."

Kan., Wichita—Sewers in various districts, to A. A. Dobson Co., Wichita, 340 ft. double strength 18 in. encased in concrete at $4.38 per ft. and 300 ft. 15 in. at $4.00 per ft., 12,518 ft. 8 in. vitr. tile sewers $0.80, 1,610 ft. $0.91, 790 ft. double strength 15 in. vitr. tile $3.69 and 200 ft. 12 in. $3.62, 3 manholes $45.00 each, 7 manholes $70.00 each, and 73 manholes $50.00 each; to H. L. Miles Constr. Co., 331½ East Douglas St., 755 ft. vitr. tile sewer $0.91 and 5 manholes $42.80 each.

Calif., Stockton—City, College of Pacific sewer project, concrete pipe, to W. J. Tobin, 527 Santa Ray Ave., $27,997. Noted June 26.

Waste Disposal

BIDS DESIRED

Calif., Long Beach—July 29, at office C. H. Windham, city mgr., 205 City Hall, installing furnaces and all appurtenances in incinerating plant. Noted May 22. R. D. Van Alstine, city engr.; adv. E. N.-R. July 10.

Bridges

PROPOSED WORK

W. Va., Huntington—Huntington & Ohio Bridge Co. (recently incorporated) plans bridge across Ohio River. $800,000 to $1,000,000. D. Gideon, an incorporator. Engineer not selected.

O., New Philadelphia—Tuscarawas Co. plans overhead bridge at Sect. "N" 1 C. H. 413, on New Comerstown-Uhrichsville Rd. $25,000. A. Stingel, New Philadelphia, engr.

Tex., Beaumont—Southern Pacific R.R., Southern Pacific Bldg., Houston, taking bids 1,173 ft. concrete and steel viaduct, 24 ft. roadway. $160,000. H. M. Hull, ch. engr.

Tex., Ft. Worth—See "Streets and Roads."

Tex., Houston—Harris Co. making plans concrete bridge on Almeda-East Montgomery Rds. $50,000. Howe & Wise, 1st Natl. Bank, engrs.

Tex., Laredo—See "Streets and Roads."

California—State Highway Comn., Sacramento, making plans one 30 ft. and three 60 ft. span rein.-con. girder bridge, etc., near Ventura, Ventura Co. R. M. Morton, Forum Bldg., state hy. engr.

BIDS DESIRED

Mass., North Adams—July 17, by J. L. Temple, comr. Pub. Wks., City Hall, low truss steel bridge over Hoosac River at River St., Blackinton; adv. E. N.-R. July 10.

Connecticut—See "Streets and Roads"

Conn., Hamden — Bd. Selectmen, taking bids concrete bridge over Mill River. $25,000. G. W. Warner, 1st selectman. Town Engineer, 956 Dixwell Ave., engr.

N. Y., Valhalla—July 24, by Bronx Parkway Comn., 72 West Pondfield Rd., Bronxville, construction Bronx River Parkway Dr. Bridge 50, over tracks of New York Central R.R., here, Contr. 74. J. Downer, engr. and secy.

New Jersey — July 21, by State Hy. Comn., Trenton, repairing 3 timber fenders, etc., of bridge over Passaic River, State Highway Route 1, Essex and Hudson Counties. A. L. Grover, secy.; adv. E. N.-R. July 10.

Massachusetts — See "Streets and Roads."

Pa., Phila.—July 17, by Pennsylvania R.R., Room 607 Broad St. Sta., Contr. 17, constructing concrete viaduct, retaining wall and wooden trestle, removal of buildings and Arsenal wall along line Delaware Extension of railroad between Arsenal Bridge over Schuylkill River and 25th and Reed Sts. $1,250,000. A. C. Shand, ch. engr.

Fla., St. Petersburg—July 14, by City Comn., bridges over Booker and Salt Creeks, 2 on 3rd St. S., $27,000, 2 on 4th St. S. $27,000, and 2 on 16th St. N., $31,000. E. Kitchen, St. Petersburg, engr.

Ill., Kankakee—July 14, by Superintendent Highways, Kankakee Co., one 222 ft. steel truss span bridge for Kankakee Co., Ill., and Lake and Newton Counties, Ind. $25,000. Noted June 31.

Ill., South Beloit (Beloit, Wis., P. O.)—July 28, by Supt. Highways Winnebago Co. (Rockford), South Beloit, three 55 ft. rein.-con. span bridge, here, to replace 140 ft. steel truss span bridge. $25,000.

Ia., Northwood—July 16, by Clerk Worth Co., 46 culverts and extensions, 3 I-beam bridges and repairing one I-beam bridge. T. T. Teall, Northwood, engr.

Minn., Forbes—July 14, by F. W. Borgen, aud. St. Louis Co. (Duluth), steel bridges, 23 ft. to 100 ft. spans, on North Rd., near here, north of Duluth. $32,000. R. W. Acton, Courthouse, Duluth, co. engr.

Kentucky—Aug. 4, by State Hy. Dept., Frankfort, five 30 ft. I-beam span bridge, new floor on main bridge, etc., over Cumberland River, on Pinesville-Barterville Rd., State Project 5, Bell Co.; repairing and repainting Brooklyn Bridge over Kentucky River, State Project 47, Jassamine Co.; two 300 ft. steel and concrete span bridge over Cumberland River, Sta. 19 plus 78, State Project 6, Harlan Co., one 240 ft. steel and concrete span bridge over Cumberland River, Sta. 154 plus 22, State Project 6, Harlan Co., one 150 ft. and two 130 ft. steel and concrete span bridge over Levisa Fork of Big Sandy River, State Project 6, Pike Co.; new floor and painting old bridge over Rolling Fork River, State Project 3, Larue Co. J. S. Boggs, highway engr. Noted May 29.

BIDS RECEIVED

Massachusetts—Metropolitan Dist. Comn., 1 Ashburton Pl., Boston, altering, strengthening, repaving and repairing, etc. Harvard Bridge over Charles River, between Boston and Cambridge, from V. Grande, 22 Hull St., Boston, $388,019. Noted June 26.

Alabama—State Hy. Dept., Montgomery, repairing bridge over Alabama River at Selma, Dallas Co., from Rouse & Cooper, Selma, $30,000. Noted June 6

Tex., Carthage—See "Streets and Roads."

Tex., La Grange—Fayette Co., three 20 ft. steel truss and eighteen 37 ft. concrete deck girder spans, etc., over Colorado River, also 1,795 ft. steel truss bridge incl. approaches, one 253 ft. steel truss, two 160 ft. trusses over main channel, and one 80 ft. pony truss with four 43 ft. rein.-con. deck girder spans, over Colorado River, from Austin Bridge Co., 1813 Clarence St., Dallas, $268,061 and $280,163 respectively. Engrs. est. $280.000 and $292,000 respectively. Noted June 5.

Wash., Seattle—Bd. Pub. Wks., June 27, superstructure bridge at Montlake Ave., from Wallace Equipment Co., 11th S. W. and West Hanford Sts., $160,452, electric machinery, from Westinghouse Electric & Mfg. Co., 3451 East Marginal Way, $26,133; substructure from C. L. Creelman, 1079 25th St. N., $159,269. Noted May 15.

CONTRACTS AWARDED

N. J., Jersey City—Bd. Freeholders Hudson Co., bridge on Boulevard at Summit Ave. Tube Sta., to Stillman, Delehanty & Ferris Co., Exch. Pl., $1,342,783. Noted June 19.

Pennsylvania—Comrs. Montgomery Co. (Norristown), bridge over Schuylkill River on DeKalbe St. between Norristown and Bridgeport, to Whiting Turner Constr. Co., Stewart Bldg., Baltimore, Md., $449,449. Noted June 12.

North Carolina — State Hy. Comn., Raleigh, rein.-con. bridges and culverts on State Project 617, Catarrus Co., to J. S. Bowers, Whiteville, $35,908; on S. P. 415, Durham Co. and S. P. 432, Granville Co., to J. A. Peterson, Montgomery, Ala., $61,474 and $36,616 respectively.

Louisiana—See "Streets and Roads."

Michigan — State Hy. Dept., Lansing, Bridge 560804, one 90 ft. concrete girder, 743 cu.yd. concrete, 112,717 lb. steel, etc., to E. C. Nolan & Son, Detroit, $29,159.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, 3 concrete bridges on timber piles, between Brighton and Covington, Federal Aid Project 31-B, Tipton Co., to Ellis & Smeathers, Owensboro, Ky., $33,029; two 220 ft. steel truss spans, concrete piers over Caney Fork River, Federal Aid Project 203-A, White and Warren Counties, to Nashville Bridge Co., Shelby Ave., approximately $160,000. Noted June 5.

Indiana — J. D. Williams, dir. State Highway Comn., Indianapolis, (**F. A. P. means Federal Aid Project and S. A. P. means State Aid Project**), bridges on F. A. P. 79, Sect. A, Fountain Co., to Ellis & Scamahorn, Rockport, $17,605; S. A. P. 13, Sects. H and I, Wells Co., to Ward & Boyer, Kirklin, $13,291; S. A. P. 11, Sect. N, and S. A. P. 17, Sect. A2 and B, Noble Co., to D. Jenkins, Terre Haute, $18,399; S. A. P. 13, Sect. E, Blackford Co., S. A. P. 21, Sect. H2, and S. A. P. 23, Sect. A, Jay Co., to McGreevey Bros., Logansport, $26,592, S. A. P. 15, Sect. K, Boone Co., to Rush Cash, Lebanon, $5,827, S. A. P. 22, Sect. C, Monroe Co., to H. G. Anderson, Greencastle, $10,863; S. A. P. 49, Sect. A, Jefferson Co., to Henley Constr. Co., Lewisville, $45,363; F. A. P. 65, Sect. B, Gibson Co., to E. C. Wright, Bloomfield, $19,045; S. A. P. 3, Sect. R, Wayne Co., to Oregonia Bridge Co., Lebanon, O., $7,696; S. A. P. 4, Sect. Q, Jackson Co., to Vincennes Bridge Co., Vincennes, $2,858; S. A. P. 5, Sect. G, Orange Co., to Ellis & Scamahorn, Rockport, $10,827; S. A. P. 16, Sect. C, Harrison Co., to Ryan & Ryan, Montgomery, $6,604. Noted June 12.

Arkansas—State Hy. Comn., Little Rock, concrete and steel bridge over Piney Creek, to St. Louis Structural Steel Co., Bank of Commerce Bldg., St. Louis, Mo., $40,622; Parlam Creek Bridge, to Pioneer Bridge Constr. Co., New York Life Bldg., Kansas City, Mo., $16,953; Buffalo River Bridge, at Jasper, to Vincennes Bridge Co., Vincennes, Ind., $28,722.

B. C., North Vancouver—Constructing 212 ft. steel span bridge over Lynn Creek, superstructure to Dominion Bridge Co., 626 Pender St. W., Vancouver, $26,000, substructure to Stuart-Cameron Constr. Co., 815 Hastings St. W., Vancouver, $11,750. Noted June 19.

Dams

BIDS DESIRED

Tex., Dallas—See "Waterworks."

CONTRACTS AWARDED

Pa., Downingtown—See "Waterworks."

Railways

PROPOSED WORK

Texas — Harris Co. Navigation Dist., Houston, election July 28, $500,000 bonds for fire boat and belt line railroad extension. E. A. Tucker, Court House, engr.

California — Southern Pacific R.R., 65 Market St., San Francisco, plans commercial yards and tracks for 1,000 or more freight cars, in Stockton, during January, 1925. $450,000 or more. G. W. Bosche, ch. engr.

California — Southern Pacific R.R. Co., 65 Market St., San Francisco, making plans spur track extension near N St. in Fresno. $27,000. G. W. Boschke, ch. engr.

BIDS DESIRED

Florida—July 14, by City Commissioners of St. Petersburg, reconstructing street car tracks. $136,000. E. Kitchen, St. Petersburg, engr.

Nevada—See "Streets and Roads."

CONTRACTS AWARDED

South Carolina—See "Industrial Works" under Hayne.

Texas—Harris Navigation Dist., Houston, 5,700 ft. trackage on belt line railroad at Turning Basin, to R & P Switch Track Constr. Co., Canal St., New Orleans, La., $25,000 plus.

Excavation, Drainage, Irrigation

BIDS DESIRED

S. C., Charleston—July 17, by Sanitary & Drainage Comn., 39 Broad St., construction of earth embankment approaches to bridge (now under construction) over Ashley River, on State Highway 6, Federal Aid Project 215, 2,797 lin.ft. earth embankment across marshes, preferably by hydraulic dredging, 74,000 cu.yd. above present marsh level. State Highway Engineer, Columbia, engr.

Ky., Madisonville—July 12, by Hopkins Co. Drainage Bd., Pond-Musgrove Public Ditch, 64,500 cu.yd. excav., 29.7 acres clearing, 4 timber bridges, etc. J. E. Arnold, secy.

La., Shrewsbury — July 15, by Bd. Comrs. 4th Jefferson D. D., 50 mi. drainage canals and 16 mi. protection levees in Dist. 3. $1,250,000. A. T. Dusenbury, 409 Marine Bldg., New Orleans, engr.

Fla., St. Petersburg—July 14, by City Comn., constructing drainage ditches. $25,000. E. Kitchen, St. Petersburg, engr. Noted Apr. 3.

Calif., Manteca—July 15, by Directors South San Joaquin Irrigation Dist., Oakdale, grading, shaping for and pouring 3,000,000 sq.ft. concrete lining certain portions canals.

CONTRACTS AWARDED

Ia., Algona—Kossuth Co. D. D. 60, June 26, 35,690 lin.ft. 6- to 32-in. tile, 34 intakes, 1 headwall, etc., to Graettinger Tile

Excavation, Drainage, Irrigation (Continued)

Wks., Graettinger, $8,424; furnishing tile material, to Elmore Cement & Tile Co., Elmore, Minn., $15,454.

Ark., Lake Village—Chicot Co. D. D., 4,251,000 cu.yd. excav., 1,000 cu.yd. muck ditch, 20,100 cu.yd. embankment, clearing 360 acres and 15.5 mi. right-of-way, to Calen Constr. Co., and McWilliams Constr. Co., Exch. Bldg., Memphis, Tenn. Noted May 22.

Ark., Texarkana — McKinney Bayou D. D., Miller Co., received no bids June 20, rein.-con. sluiceway containing four 6 x 6 openings, etc. Work will be done by day labor. Morgan Eng. Co., Goodwin Institute, Memphis, Tenn., engrs. Noted June 12.

Tex., Dallas—First Methodist Church, c/o M. C. Cameron, chn. Building Comn., 3800 Stratford St., excavation and foundations for 160 x 232 ft. church, Ross and Harwood Sts., to Bellows-Maclay Constr. Co., 305 North Market St., approximately $25,000.

Streets and Roads

PROPOSED WORK

N. Y., Syracuse—Making plans grading Turtle St. $6,600, Pulamski St. $40,000, Spencer St. $12,000, and Geddes St. $21,000. T. H. Mather, city engr.

Pa., Elwyn—Plans grading, laying water and gas pipe and road improvements. $250,000. Franklin & Co., 1420 Chestnut St., Phila., engrs. Owner's name withheld.

W.Va., Milton—Voted $552,000 bonds for paving streets.

Fla., Hillcrest Heights (Babson P. O.)—Rejected bids paving 2 mi. Pomella, Palm, Catherine and Oaks Sts., 24 ft., bituminous wearing surface on 6 in. clay or limestone. $31,000. J. W. Turner, Lakeland, engr. Noted June 26.

Miss., Starkville — Oktibbeha Co. soon takes bids constructing 8.5 mi. and resurfacing 4 mi. gravel roads, 18 ft. $50,000. H. C. Dietzer, Jackson, engr.

Tennessee — State Dept. Hys. & Pub. Dks., Nashville, takes bids about July 17, grading and surfacing, probably bituminous macadam 10 mi. Rogersville-Pressmens' Home Rd., 16 ft., Hawkins Co., incl. concrete briges. $150,000. J. G. Creveling, highway engr.

Ky., Louisville — Jefferson Co. rejected bids grading and constructing Black Mud Lane from Shepherdsville to Poplar Level Rds. and Strawberry Lane, from Highland Park to Strawberry Sta. To exceed $25,000. Will probably ask new bids. M. Drane, Louisville Trust Bldg., co. surv. Noted July 3.

Ky., Owensboro—Plans rebuilding sections of Frederica, 9th, 3rd, 2nd and Triplett Sts. To exceed $25,000. A. Shifley, city engr.

Ky., Paintsville—Johnson Co. plans constructing section of Mayo Trail from Paintsville to Floyd Co. line. $25,000.

O., Cleveland—Berwald-Stewart Co., Williamson Bldg., plans grading, paving, sidewalks, sewer and water mains in Warrensville Center Rd. $100,000. F. A. Pease Eng. Co., Marshall Bldg., engrs.

O., East Liverpool — Plans resurfacing 2nd St., $25,000, West 8th St., $35,000, Jefferson St., $25,000 all asphalt; 0.5 mi. Bway., 40 ft., brick and asphalt, $25,000. J. A. George, East Liverpool, engr.

O., Lisbon—Columbiana Co. soon takes bids widening 2 mi. Leetonia-Lisbon Rd., 5 ft., concrete. $30,000. L. C. Kirk, Lisbon, engr.

O., Ravenna—Portage Co. plans extending about 1 mi. Ravenna Rd. from east line of Franklin Twp. to Black Horse Corners, 18 ft. $31,242.

O., Salem — Plans paving during 1925, West Pershing Ave., $27,000 to $35,006, Cleveland Ave., probably brick, $30,000, and resurfacing 0.75 East High St., 25 ft., macadam, $40,000.

O., Salem—Bd. Control takes bids about July 20, improving Washington St. $30,000, also 0.5 mi. Sharp St., 30 ft., probably macadam, $27,500.

O., Warren—Trumbull Co. plans grading Southern Blvd. from Indianola Ave. to Poland-Boardman Rd. $50,000.

Ind., Anderson—Madison Co. plans concrete paving 23,232 sq.yd. Kempher Rd. $57,416. A. H. Doyle, Anderson, engr.

Ind., Boonville—Warrick Co. plans grading and graveling 4.9 mi. Susott Rd., 16 ft. $28,000. H. Larsen, Boonville, engr.

Ind., Crown Point—Lake Co. plans concrete paving 32,628 sq.yd. Condit Rd. $87,000. C. K. Wallace, Crown Point, engr.

Ind., Evansville—Vanderburgh Co. plans grading and graveling 4 mi. Martin Station Rd., 18 ft. $26,012. R. Meisinger, Evansville, engr.

Ind., Ft. Wayne—Allen Co., received no bids June 10, grading and graveling 17,210 ft. Cassell Rd., 18 ft. $28,861. Will readvertise. O. M. Darling, Ft Wayne, engr. Noted May 29.

Ind., Indianapolis — Marion Co. plans hardsurfacing 2.25 mi. Yule Rd., 18 ft. $76,000. J. J. Griffith, Indianapolis, engr.

Mich., Detroit—Made plans paving with 3½ in. sheet asphalt on 8 in. concrete, 4,800 sq.yd. Strong Ave. $24,370, 6,800 sq.yd. Colonial Ave. $34,060, 2,900 sq.yd. Holmes Ave. $14,820, 2,200 sq.yd. Larkins Ave. $11,230, 4,600 sq.yd. Tarnow Ave. $23,100, 2,800 sq.yd. Wheeler Ave. $14,400, 1,850 sq.yd. Eagle Ave. $9,410, 950 sq.yd. Nardin Ave. $4,750, 4,000 sq.yd. Dexter Ave. Sect. 2, $20,072, 8,000 sq.yd. Elgin Ave. $40,320. G. Jerome, city engr.

Ill., Galesburg—Soon takes bids grading, curbing, guttering and brick on concrete paving 7 blocks North Kellogg and East Brooks Sts. $32,000. A. Richey, City Hall, engr.

Ill., Kewanee—Takes bids in August for 16,000 sq.yd. vibrolithic concrete paving. J. G. Palmer, city engr.

Wis., Oconto—Voted $30,000 bonds paving Superior Ave. Engineer not selected

Wis., Racine—Making plans improving Herrick and Peck Aves., 9th, Walnut, 16th, Park View, Frederick, Liberty and Prospect Sts., various types incl. rein.-con. To exceed $25,000. J. W. Beaugrand, City Hall, engr.

Ia., Des Moines—City and Polk Co. plan paving approximately 4 mi. Frederick Hubbld Ave., 20 and 30 ft. $170,000. K. C. Kastberg, city engr.

Ia., Ft. Dodge—Plans paving 25 blocks various streets. $78,000. C. W. Wakeman, city clk.

Ia., Hospers—Sioux Co. plans paving between 10,000 and 30,000 sq.yd. various streets. To exceed $50,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs.

Minn., Albert Lea—Plans paving 8 blocks or more Bridge Street. $25,000. C. J. Dudley, city clk.

Minn., Melrose—Plans paving 8 blocks Main St. $30,000. J. E. Bonner, Sauk Central, engr.

Minn., Sauk Center — Plans paving 6 blocks Main St., various types. $25,000. J. E. Bonner, city engr.

Kan., Olathe—Johnson Co. plans paving 2.755 mi. Federal Aid Project 238-B, and 6.287 mi. Federal Aid Project 238-D, both 18 ft., brick on concrete. E. C. L. Wagoner, 609 Kemper Bldg., Kansas City, Mo., engr.

S. D., Canton—Plans paving about 15 blocks various streets. $45,000. J. Rowe, mayor.

S. D., Rapid City—Plans paving, etc., 15 blocks various streets. $83,472. W. C. Meyer, city aud.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, takes bids early in fall, granite curbing, concrete guttering and paving Bell St. $57,350, Howard St. $32,500, Thomas St. $25,900, Warrenite on concrete, Fairfax Ave. $26,850, Potomac St. $5,950, asphalt on concrete; paving 18th St., asphalt on concrete, $28,800. W. W. Horner, city engr.

Ark., Little Rock — Soon takes bids grading, curbing, guttering and paving 10 blocks in Dist. 381, concrete, asphalt on concrete, or asphaltic concrete, etc. $40,000. Dickinson & Watkins, Boyle Bldg., engrs.

Tex., Angleton—Brazoria Co. voted $20,000 bonds improving highway and creating Dist. 5. $10,000 additional appropriated by State and Federal Aid. J. T. Loggins, co. judge.

Tex., Burkburnett — Making plans permanent paving, Ave. C from 4th to College Sts. thence to Ave. D. $35,000. Montgomery & Ward, 1016 City Natl. Bank Bldg., Wichita Falls, engrs.

Tex., Center—Shelby Co. had plans prepared improving 5.87 mi. State Highway 35, 18 ft. $78,933. Titus & Dillon, Center, engrs.

Tex., Ft. Worth—Tarrant Co. had plans prepared grading and constructing steel and concrete bridges on 7.72 mi. Highway 10. $75,000. D. A. Davis, co. engr.

Tex., Groesbeck—Limestone Co. election July 12, $65,000 bonds constructing road in Rd. Dist. 20. Address H. F. Kirby, co. judge.

Tex., Henrietta—Clay Co. election July 8, $60,000 bonds roads in Rd. Dist. 7. J. F. Vaden, co. judge.

Tex., Houston — Making plans paving Telephone Rd., Bartsch and Hutchins Sts., bituminous types on concrete. $150,000. J. C. McVea, city engr.

Tex., Houston—Made plans paving Washington Ave. from Houston to Yale Sts., brick or bituminous types on concrete. $300,000. J. C. McVea, city engr.

Tex., Jourdanton — Atascosa Co. voted $300,000 bonds constructing road in Precinct 4. Address E. D. Scott, co. judge. Noted June 12.

Tex., Laredo—Webb Co. takes bids after July 7, grading and constructing 4 bridges on 8 mi. State Highway 12-A. $42,000. T. E. Huffman, Laredo, engr.

Tex., Lubbock—See "Waterworks."

Tex., Madisonville—Precinct 3 Madison Co. voted $75,000 bonds constructing various roads and laterals. O. Staerker, Madisonville, engr.

Tex., Marlin — Barclay-Sneed-Kasner Dist., Falls Co., voted $115,000 bonds constructing roads. J. P. Wehrung, Chilton, engr.

Tex., Rockport—Aransas Co. voted $500,000 bonds permanent paving approximately 11 mi. highway, 18 ft. F. M. Percival, Rockport, engr.

Tex., San Benito—Election July 22, $75,000 bonds street paving, also $20,000 bonds sewer extensions. Address Mayor.

Wash., Yakima—Comrs. Yakima Co., plan $30,000, 5.5 mi. grading and graveling roads.

California—State Highway Comn., Sacramento, withdrew call for bids June 30, grading 4.3 mi. highway between Floriston and Nevada state line, Nevada and Sierra Counties; 8.7 mi. highway between Gold Run and Forebay, Placer Co. R. M. Morton, state highway engr. Noted June 12.

Calif., Los Angeles—Los Angeles Co., made plans improving 3.52 mi. Garvey Ave., Rd. Impvt. Dist. 263, 25,646 cu.yd. excav., 63,327 sq.ft. concrete pavement, 45,677 sq.yd. disintegrated granite sub-base, 18,580 lin.ft. shape shoulders, etc. County to furnish 17,222 bbls. cement, 7,714 tons sand, 14,233 tons gravel. To exceed $110,000.

Calif., Oakland—Made plans improving Third St. between Oak and Harrison Sts., 35,574 sq.ft. grading, 861 lin.ft. concrete curb, 846 sq.ft. concrete gutter, 34,728 sq.ft. 2 in. Warrenite on 6 in. concrete paving, 175 lin.ft. 8 and 10 in. sewers, etc. W. W. Harmon, city clk.

Calif., Redlands — Made plans grading and macadam and concrete paving, also laying 6 and 8 in. vitr. sewers in Buena Vista St., etc. To exceed $25,000. C. P. Hook, city clk.

Calif., Sacramento—Supervs. Sacramento Co., making preliminary plans concrete trestle approaches on each side with 2 mi. stretch of pavement to connect bridge over American River near Elyas station with Auburn Rd. $125,000. C. W. Deterding, Jr., Sacramento, county engr.

BIDS DESIRED

Massachusetts—July 15, by Dept. Pub. Wks., State House, Boston, 2 concrete bridges and approaches and constructing highway, in Hinsdale. W. F. Williams, comr.

Massachusetts — July 8, by Dept. Pub. Wks., Div. Highways, State House, Boston, concrete paving 6,600 ft. highway in Grafton. To exceed $25,000. W. F. Williams, comr.

Mass., Brighton (Boston P. O.)—July 14, by Dept. Pub. Wks., City Hall, Boston, concrete paving Blenford and Nottingham Rds., here. $25,000. J. A. Rourke, comr.

Connecticut—July 15, by J. A. Macdonald, comr. State Highway Dept., Hartford, paving roads in Redding and Bloomfield, waterbound macadam, in Stamford, Groton, Plainville, Farmington, West Hartford, Windsor and Danbury, rein.-con., in Newington, Ridgefield and Bolton, bituminous macadam, in Easton, Newton, Washington, Roxbury and Woodbury, waterbound native stone macadam, bridges in Danbury and Milford; adv. E. N.-R. July 10.

N. Y., Hudson—July 25, by M. J.O'Hara, city engr., paving certain streets, Topeka wearing surface and concrete; adv. E. N.-R. July 10.

N. Y., Marilla—July 12, by Town Bd., paving Marilla-Cowlesville Rd. and Bear St. To exceed $25,000. W. D. Howes, town clk.

N. Y., New York—July 16, by J. Miller, pres. Manhattan Boro., Municipal Bldg., repaving with sheet asphalt 42nd, 73rd, 82nd, 85th and 90th Sts., repaving with granite blocks East Houston and Bleecker Sts.

N. Y., Scarsdale — July 24, by Bronx Parkway Comn., 72 West Pondfield Rd., Bronxville, paving Bronx River Parkway Dr. between Harney and Ardsley Rds., south of here. Contr. 72. J. Downer, engr. and secy.; adv. E. N.-R. July 10.

N. J., Springfield—July 21, by State Hy. Comn., Trenton, constructing Route 5, Sect. 14, Lawrence Ave., here, Union Co. A. L. Grover, secy.; adv. E. N.-R. July 10.

Pennsylvania—July 29, by State Dept. Hys., Harrisburg, constructing 18 projects in 13 counties, bituminous surface on concrete or rein.-con. P. D. Wright, secy.; adv. E. N.-R. July 10.

Streets and Roads (Continued)

W. Va., Barboursville—July 22, by Common Council, grading and paving Allen, Barbara, Union, Central and McClung Aves., Maple and Payton Sts. bituminous slag macadam with Bermudez road asphalt binder, bituminous slag macadam with oil asphalt binder or Portland cement. R. W. Breece, Holswade Bldg., 317 9th St., Huntington, engr.

Fla., Daytona—July 14, by L. E. Hough, city clk., City Hall, paving, laying sidewalks and grading various streets. Harrington, Howard & Ash, Kansas City, Mo., consult. engrs.; adv. E. N.-R. July 10.

Fla., Lakeland—July 22, by City, paving 1,466 ft. Georgia Ave., 20 ft., and widening 1,103 ft. Main St., 6 ft., and relaying existing brick, sand base and asphalt filler, pavement. $500,000. C. C. Brown, city engr.

Fla., St. Petersburg—July 14, by City Comn., paving along street car line, alternate proposals. $64,000. E. Kitchen, St. Petersburg, engr. Noted Apr. 3.

Louisiana—July 22, by State Hy. Comn., Reymond Bldg., Baton Rouge, 7.23 mi. State Project 397, Minden-Homer Highway, Webster Parish, also furnishing gravel, etc., for project. J. M. Fourmy, ch. engr.

Louisiana—July 22, by State Hy. Comn., Reymond Bldg., Baton Rouge, graveling 5.01 mi. State Project 408 A, Archibald-Monroe Highway, Richland Parish, also furnishing gravel for project. J. M. Fourmy, ch. engr.

Louisiana—July 24, by State Hy. Comn., Reymond Bldg., Baton Rouge, constructing 3.6 mi. State Project 374 D, and 2.7 mi. State Project 374B, Slaugher-Mississippi Highway, 1.4 mi. State Project 375 A, St. Francisville-Clinton Highway, also furnishing gravel for surfacing projects. J. M. Fourmy, ch. engr.

La., Shreveport—July 19, by Clerk Caddo Parish, grading and concrete surfacing 1 mi. Cedar Grove Rd., 20 ft. $30,000. J. T. Bullen, Shreveport, engr.

Tenn., Lebanon—July 17, by City Clerk, paving Main, Hatton and Gay Sts., alternates on various types. A. B. Cleny, city engr.

Kentucky—Aug. 4, by State Hy. Dept., Frankfort, **(F. A. P. means Federal Aid Project, S. P. means State Project)**, river gravel, bank gravel or waterbound macadam surfacing 10.303 mi. Central City-Calhoun Rd., 16 ft., S. P. 10-F, Muhlenberg Co., 8.309 mi. Greenville-Nortonville Rd., 16 ft., S. P. 10-E, Muhlenberg Co., 11.225 mi. Louisville-Paducah Rd., 16 ft., S. P. 8-C, Meade Co.; bank gravel or waterbound macadam surfacing 7.212 mi. Marion-Princeton Rd., 14 ft., S. P. 10-C, Crittenden Co., 14.032 mi. Marion-Princeton Rd., 14 ft., S. P. 10-C, Caldwell Co.; creek gravel or macadam surfacing 7.623 mi. Owingsville-Sharpsburg Rd., 14 ft., S. P. 61-A, Bath Co.; river gravel surfacing 4.57 mi. Owensboro-Hartford Rd., 14 ft., S. P. 11-A, Daviess Co.; waterbound macadam surfacing 3.2 mi. Georgetown-Cynthiana Rd., 14 ft., S. P. 58-A, Scott Co., 4.5 mi. Shelbyville-Taylorsville Rd., 12 ft., S. P. 46-E, Shelby Co., 6 mi. Shelbyville-Lawrenceburg Rd., 12 ft., S. P. 20-A, Shelby Co.; grading 16.558 mi Somerset-Whitley City Rd., F. A. P. 110, Pulaski Co., 2.26 mi. Jenkins-Pound Gap Rd., S. P. 6-C, Letcher Co., 3.167 mi. Harlan-Pineville Rd., all foregoing 24 to 28 ft., S. P. 6-C, Harlan Co.; surface treating 7 mi. Maysville-Lexington Rd., 16 to 28 ft., S. P. 20-C, 16 and 18 ft., Mason Co., 3.2 mi. Lexington-Harrodsburg Rd., 16 ft., S. P. 47-F, Jassamine Co.; rein.-con., rock asphalt or bituminous concrete surfacing 16.039 mi. Olive Hill-Grayson Rd., 16 ft., S. P. 47-E, Carter Co., 2.392 mi. Louisville-Paducah Rd., 18 ft., S. P. 8-C, Daviess Co. J. S. Boggs, highway engr.

O., Akron—July 14, by W. F. Peters, dir. Pub. Serv., grading, paving and laying walks on 1,190 ft. Hammel St., granite block, vitr. brick or asphalt, $25,000, 410 ft. Daniels Pl., vitr. brick or concrete $4,000, 4,300 ft. Riverside Dr. et al., vitr. brick or asphalt, $89,000; grading, walks and cindering 520 ft. 8th Ave., $3,000, 1,940 ft. Morgan Ave., $10,000; grading, walks, sewers and cindering 1,580 ft. Burns Ave., $11,000; grading, paving, walks and sewers in 610 ft. Dorchester Ave., granite block, vitr. brick or asphalt, $22,000; grading, repaving, walks and widening 3,460 ft. West Market St., granite block, vitr. brick or asphalt, $88,000.

O., Cleveland—July 16, by Cuyahoga Co., paving Superior Rd. from Euclid Ave. to Mayfield Rd., vitr. brick, granite block or bituminous concrete. To exceed $100,000. F. Lander, Court House, engr.

O., Cleveland—July 21, by Bd. Educ., F. G. Hogen, dir., grading, seeding, laying sidewalks, iron fence masonry work, etc., at Tremont, Collinwood, Addison Junior High, and Henry W. Longfellow Schools. $50,000. W. R. McCornack, c/o owner, engr.

O., Columbus—July 15, by W. H. Duffy, dir. Pub. Serv., grading, paving and laying necessary sewer and water connections in 6,109 ft. Warren St., Wilshire, Chase and Ogden Aves., 24 ft., brick $102,792, asphalt $85,380; 5,809 ft. Cole St., Chase, Burgess and Richardson Aves., 26 ft., brick $66,189, asphalt $70,240; 537 ft. alley west of Adams Ave., 20 ft., brick $3,770, concrete $3,323; 386 ft. alley north 8th Ave., 18 ft., brick $2,865, concrete $2,290; 285 ft. alley north Tappan St., 15.42 ft., brick $1,746, concrete $1,545; 1,889 ft. alley north Broad St., 15 ft., brick $9,731, concrete $8,589; 445 ft. alley west Hamilton Ave., 16 ft., brick $2,992, concrete $2,658.

O., Garfield Heights (Cleveland P. O.)—July 17, paving North Drive, East 117th and East 139th Sts., Maplerow, Thornhurt, Russell, Christine, Parkview, Greenview and Avondale Aves. To exceed $50,000. R. Munz, Town Hall, engr.

O., New Philadelphia—Tuscarawas Co. taking bids improving about 1 mi. continuation of Road I. G. H. 408 from outside of Stone Creek to village square, 20 ft. $27,000-$30,000. A. Stengel, New Philadelphia, engr.

Ind., Ft. Wayne—July 14, by Comrs. Allen Co., hardsurfacing 18,486 sq.yd. Washington Rd. $40,856. O. M. Darling, Ft. Wayne, engr.

Ind., Noblesville — July 12, by Comrs. Hamilton Co., grading and graveling 4 mi. Ingmire Rd., 16 ft. $26,000. J. S. Shannon, Noblesville, engr.

Michigan—July 16, by State Hy. Dept. at office Comrs. Huron Co., Bad Axe, grading and surfacing 0.708 mi. Federal Aid Project 94. B, 3,378 cu.yd. excav., 8,391 sq.yd. concrete. G. C. Dillman, Lansing, ch. engr.

Michigan—July 16, by State Hy. Dept. at office Comrs. Clinton Co., St. Johns, grading and surfacing 5.269 mi. Federal Aid Project 113, Sect. A1, 35,597 cu.yd. excav., 61,718 sq.yd. concrete, 19,707 lb. steel. G. C. Dillman, Lansing, ch. engr.

Michigan—July 16, by State Hy. Dept. at office Comrs. Sanilac Co., Sandusky, grading and surfacing 1.373 mi. Federal Aid Project 94, Sect. A, 30,223 cu.yd. excav., 14,500 sq.yd. concrete. G. C. Dillman, Lansing, ch. engr.

Michigan—July 16, by State Hy. Dept. at office Comrs. Chippewa Co., Saulte Ste. Marie, grading and surfacing 3.056 mi. State Trunk Line Rd. 48-6, Sect. B2, 18,798 cu.yd. excav., 28,550 sq.yd. gravel, also 7.997 mi. State Trunk Line Rd. 48-6, Sect. B2, 35,049 cu.yd. excav., 74,865 sq.yd. gravel. G. C. Dillman, Lansing, ch. engr.

Michigan—July 17, by State Hy. Dept. at office Comrs. Ionia Co., Ionia, grading and surfacing 3.991 mi. Federal Aid Project 113, Sect. A2, 47,221 cu.yd. excav., 46,832 sq.yd. concrete, 10,054 lb. steel. G. C. Dillman, Lansing, ch. engr.

Michigan—July 17, by F. F. Rogers. state hy. comr., at office Comrs. Newaygo Co., White Cloud, rein.-con. floor and abutments for Bridge 6206001, one 175 ft. span, on Trunk Line Rd. 54.

Michigan—July 21, by State Hy. Dept. at office Comrs. Benzie Co., Frankfort, grading and surfacing 0.923 mi. State Trunk Line Rd. 22-15, 5,982 cu.yd. excav., 10.794 sq.yd. concrete. G. C. Dillman, Lansing, ch. engr.

Michigan—July 21, by State Hy. Dept. at office Comrs. Ingham Co., Mason, grading and surfacing 1.02 mi. State Trunk Line Rd. 92-3, 4,622 cu.yd. excav., 13,229 sq.yd. concrete. G. C. Dillman, Lansing, ch. engr.

Ill., Galesburg—July 16, by Bd. Local Impvts., City Hall, improving East North St., 8,596 sq.yd. vitr. brick on 4 in. concrete, 5,980 lin.ft. concrete curb and gutter, 4,830 cu.yd. earth excav., etc. A. L. Richey, city engr.

Wis., North Milwaukee—July 15, by W. E. Chase, city clk. improving Hampton Ave., 7 alleys, 38th and 39th Sts., 5,085 cu.yd. grading and 13,647 sq.yd. one course concrete, vibrolithic concrete, bituminous concrete and asphalt paving. To exceed $25,000. H. C. Webster, 216 West Water St., Milwaukee, engr.

Ia., Waterloo—July 14, by City Clerk, 28,643 sq.yd. paving, 31,633 sq.yd. resurfacing, 21,781 lin.ft. curb and gutter. R. B. Slippy, city engr. Noted June 19.

Minn., Duluth—July 14, by F. W. Borgen, aud. St. Louis Co., grubbing, grading, probably rock foundation 14 mi. North Rd. between Miller Trunk Rd. and Hibbing. $150,000. R. W. Acton, co. engr.

Minn., Kenyon—July 18, by M. J. Held, village clk., 11,000 sq.yd. concrete paving or 9,670 sq.yd. asphalt. (Bids also on asphaltic concrete, rawhide, vibrolithic concrete and Warrenite bituulithic, 2,560 lin.ft. straight concrete curb or straight concrete curb and 4 ft. gutter, 1,335 ft. 6- to 10-in. storm sewer. $20,000. S. A. Siverts, Jr., 300 Builders Exch., Minneapolis, engr.

Minn., St. Paul—July 15, by H. W. Austin, city purch. agt., paving 10 blocks Hamline Ave., 3 blocks Pillsbury Ave., and 1 block Territorial Rd. $45,000. G. M. Shepard, city engr.

Minn., Waseca—July 28, by H. N. Panzram, aud. Waseca Co., grading, etc., 5.5 mi. State Rd. 8, Job 2401, 39,650 cu.yd. excav.; 11 mi. State Rd. 9, Job 2402, 95,000 cu.yd. excav., etc. $35,000.

Minn., Willmar—July 15, by S. Nelson, aud. Kandiyohi Co., grading, etc. 6 mi. Job 2402, State Aid Rd. 17, 68,824 cu.yd. excav., etc.; 8 mi. Job 2403, State Aid Rd. 16, 36,114 cu.yd. excav., etc. $30,000. H. L. Wadell, Willmar, engr.

Kan., Goodland—July 24, by Clerk Sherman Co., grading, etc., 8.523 mi. Federal Aid Project 202-A, 5,170 lb. reinforcing, 128 cu.yd. concrete, 1,121 ft. 15- to 30-in. rein.-con. pipe, etc. H. R. Johnson, Goodland, engr. Noted June 26.

Kan., Hiawatha — July 18, by Clerk Brown Co. grading 5.663 mi. Federal Aid Project 223-A, 2,060 cu.yd. borrow, 9,573 cu.yd. earth and 250 cu.yd. rock excav., 8,230 lin.ft. hedge, 1,400 lb. reinforcing, etc.; 6.704 mi. Federal Aid Project 223-B, 41,187 cu.yd. excav., 1,160 cu.yd. channel change, 15,732 lin.ft. hedge, 22,230 lb. reinforcing, etc. E. Q. L. Wagoner 608 Kamper Bldg., Kansas City, Mo., engr. Noted Apr. 10.

Wyo., Casper—July 14, by City Council, 20,600 sq.yd. paving and 7,100 lin.ft. curbing in Paving Dist. 39, $57,000; 3,266 sq.yd. paving, also combined curb and gutter and storm sewer, etc., in Paving Dist. 49, $15,000; 3,307 sq.yd. paving in Paving Dist. 50, $9,500. E. W. Fasset, city engr.

Mo., St. Louis—July 29, by Bd. Pub. Serv., 208 City Hall, reconstructing 9,260 sq.yd. Easton Ave. $41,320, 1,965 sq.yd. Lucas Ave. $11,600, and 5,185 sq.yd. Duncan Ave., all recut granite blocks, $41,520; also 2 concrete alleys $9,200. W. W. Horner, 300 City Hall, engr.

Tex., Amarillo—July 23, by S. B. Mothow, judge Potter Co. surfacing with vitr. brick on concrete or bituminous topping on gravel 1.05 mi. State Highway 33, Federal Aid Project 421-A. 18 ft. $42,000. O. A. Seward, co. engr. Noted July 3.

Tex., Dallas—July 22, by A. C. Allen, judge Dallas Co. surfacing bituminous on waterbound macadam 3.66 mi. State Highway 10-A, 22 ft. an 18 ft. $51,150. Nagle-Witt-Rollins Eng. Co., Courthouse, engrs.

Tex., Georgetown—July 18, by H. A. Hodges, aud. Williamson Co., at office F. D. Love, co. judge, grading, etc., Hutto-Round Rock Rd., 44,097 cu.yd. borrow, 47,140 cu.yd. earth and 2,284 cu.yd. solid rock excav., etc. M. C. Welborn, Georgetown, engr.

Tex., Houston—Aug. 1, by Harris Co. rebuilding 12 mi. Houston-Galveston Rd. $100,000. Howe & Wise, Natl. Bank Bldg., engrs.

Tex., Houston—Taking bids paving Bailey, Blodgett and Lamar Sts., alternates on various standard pavements. $25,000 plus. J. C. McVea, city engr.

Tex., Linden — Cass Co., taking bids permanent concrete paving 4.99 mi. State Highway 48, 9 ft. $123,000. F. E. Hess, Box 284, Texarkana, engr. Noted Feb. 28.

Tex., Sonora—July 25, by A. Johnson, judge Sutton Co. gravel surfacing 21,773 sq.yd. State Highway 10-A, Federal Aid Project 379. $26,000. H. P. Stockton, Jr., Sonora, engr.

Tex., Tyler—Smith Co., taking bids and opens same about July 26, grading, graveling and bridging 16.3 mi. State Highway 64, 16 ft. $260,000. D. K. Caldwell, co. engr. Noted May 22.

Oklahoma—July 21, by State Hy. Dept., Oklahoma City, grading, etc., 18.5 mi. State Aid Project 2, Rogers Co., 150,000 cu.yd. excav., 50 concrete culverts. $110,000. J. M. Page, highway engr.

Okla., Claremore—July 21, by Clerk Rogers Co., improving 18.395 mi. State Aid Project 2, Rogers Co., 48,950 cu.yd. earth, 2,040 cu.yd. loose and 3,650 cu.yd. solid rock excav., 17,347 cu.yd. overhaul, $5,488

Streets and Roads (Continued)

cu.yd. borrow, 91,442 lb. reinforcing, etc. J. M. Page, Oklahoma City, highway engr.

Okla., Ponca City—July 17, by C. E. Norton, city clk., grading and paving 6 blocks 7th and England Sts., 5,800 sq.yd. vitr. brick, 1,900 cu.yd. excav. $30,000. G. Smee, Ponca City, engr.

Okla., Sand Springs—July 15, by City Clerk, grading and paving 15 blocks Dist. 9, 16,000 sq.yd. concrete, 9,000 lin.ft. curbing, 5,800 cu.yd. excav. $61,000. Holway Eng. Co., Wright Bldg., Tulsa engrs. Noted June 6.

Nevada—July 16, by State Highway Comn., Carson City, improving road from Nevada-California state line to point 2 mi. east of Verdi, Unit 1, Washoe Co., 76,000 cu.yd. unclassified excav. 264,643 yd. sta. overhaul, 1,630 lin.ft. 15- to 36-in. corrugated metal pipe syphon, 1,000 track ft. relay industry tracks; Unit 2 of above road, 12,650 cu.yd. unclassified excav., 698 lin.ft. 15- to 36-in. corrugated pipe, etc. G. W. Borden, state highway engr.

Calif., Contra Costa — July 21, by Supervs. Contra Costa Co., improving Lone Tree High, 1,500 cu.yd. embankment, rock and screenings, 2,449 tons base and 1,224 tons top courses, 118,500 sq.ft. surface asphaltum. R. R. Arnold, Martinez, co. surv.

Calif., Los Gatos — July 7, by city trustees, improving portions of Bway., 35,731 sq.ft. 5 in. concrete paving, 1,556 lin. ft. concrete, curbing and guttering, 35,731 sq.ft. grading. H. B. Fisher, Growers Bank Bldg., San Jose, engr.

Calif., San Jose—July 14, by Supervs. Santa Clara Co., improving Mt. View-Alviso Rd., 774,274 sq.ft. water bound macadam paving, 16,000 cu.yd. waste material, Prospect Rd., 109,980 sq.ft. macadam paving in Section 1 and 97,005 sq.ft. oil macadam paving in Section 2, etc., county furnishes waste for fills, rock and screenings free at quarry, Saratoga; Quimby Rd., 106,625 sq. ft. oil macadam paving. R. Chandler, co. surv. Noted June 19.

Calif., Santa Ana—J. L. Vegely, city clk., taking bids improving Roe Dr. between Main St. and Tract No. 511, 10,751 sq.ft. 5 in. concrete paving, 260 lin.ft. trench for main sewer pipe, 180 lin.ft. trench for twelve 4 in. house connection sewers, etc. Engineer not announced.

Washington — July 22, by State Hy. Comn., Olympia, grading and crushed rock surfacing 1.23 mi. State Rd. 12, Lewis Co.; grading and concrete paving 5.5 mi. State Rd. 3, from Buena to Granger, Yakima Co., 0.6 mi. State Rd. 9, Clarke Co.; clearing and grading 14.2 mi. State Rd. 1 between King Co. line and Everett, Snohomish Co. J. Allen, state highway engr.

Quebec—July 18, by J. L. Boulanger, deputy minister Dept. Rds., Quebec, graveling 29,470 ft. Joliette-St. Jacques Highway, 20 ft., in Sacre Coeur and St. Patrice.

Quebec — July 15, by J. L. Boulanger, deputy minister highways, Dept. Rds., Quebec, resurfacing 5,514 ft. McMartin Rd., and 26,330 ft. Little River Rd., both 18 ft., oil waterbound macadam, Deux Montagnes Co., $45,000. A. Fraser, Quebec, engr.

BIDS RECEIVED

Massachusetts—Dept. Pub. Wks., State House, Boston, concrete paving about 4,900 ft. highway, 20 ft., in Brookfield and East Brookfield, from C. Branchi & Co., Framingham, $57,025; highway in Truro and Provincetown, from Lane Constr. Corp., 37 Colony St., Meriden, Conn., $165,434; bituminous macadam highway in Pembroke, from A. Susi & Co., 12 Richfield St., Dorchester, $72,139. Noted June 19 and 26.

Mass., Boston—Dept. Pub. Wks., City Hall, cement and concrete paving Ayer Rd. and other streets, from G. Tomasello & Sons, 68 Devonshire St., $90,803.

Mass., Brookline (Boston P. O.)—Bd. Selectmen, Town Hall, asphalt paving 3,000 ft. Harvard St., from Simpson Bros. Corp., 77 Summer St., Boston, $31,040. Noted June 26.

N. Y., Buffalo—Commissioner Pub. Wks., Municipal Bldg., from Rock Asphalt Constr. Co., Morgan Bldg., paving Harding Rd. $66,945, Parker Ave. $47,954, repaving Parker Ave. from Main to Amherst Sts. $6,783; from H. P. Burgard Co., 1968 Fillmore Ave., paving Berwyn St. $23,257, Lester St. $16,650, Milford St. $12,085, Northland Ave. $16,387, Wisconsin Ave. $35,655, repaving Woodlawn Ave. $21,275, Goodyear Ave. $38,995. Noted June 19.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., June 30, from W. P. McDonald Constr. Co., 17 West 42nd St., New York, sheet asphalt paving Maurice Ave. $23,760, Opdyke St. $10,040, Siboutsen St. $9,648, grading, curbing, sidewalks and paving Richard Ave. $10,385, 123rd St. $28,835; from Highway Impvt. & Repair Co., 501 Bloomfield Ave., Montclair, N. J., grading, curbing, flagging and sheet asphalt paving Court St. $1,035; from Interstate Contg. Co., 154 Nassau St., grading, curbing and sidewalks in Opdyke St., $5,005; from A. A. Johnson Corp., Queens Blvd., sheet asphalt paving 85th St. $19,003; from Cleveland Trinidad Paving Co., Flushing, sheet asphalt paving 85th St. $26,430, 86th St. $26,380. Noted June 26.

N. Y., New York—J. Miller, pres. Manhattan Boro., Municipal Bldg., repaving with granite block 18th St., from C. Helbock, Inc., 633 Wales Ave., $64,004; widening and repaving with sheet asphalt Madison Ave., from Uvalde Asphalt Paving Co., 1 Bway., $60,207; recurbing, flagging, reflagging and asphalt paving West 176th St., from Brusstar Constr. Co., Harlem River and 150th St., $23,990; grading, curbing and flagging West 187th St., from I. F. Cavaluzzo, 1538 Walton Ave., $8,875. Noted June 26.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro., Boro Hall, concrete curbing, etc., Elizabeth St., from Vanbro Constr. Co., 24 Elizabeth St., West New Brighton, $1,030. Noted June 26.

N. J., Trenton—Bd. Freeholders Mercer Co., reconstructing Sanhican Dr., 5,422 sq. yd. asphalt, from Union Paving Co., 30th and Locust Sts., Phila., $28,468.

Pennsylvania—State Hy. Dept., Harrisburg, **(R means Route and A. Application)** constructing R. 241, Bradford-Wyoming Counties, from Burgess & Dorrier, 612 Mutual Bldg., Richmond, Va., $361,787; R. 140, Schuylkill Co., from Union Paving Co., 30th and Locust Sts., Phila., $277,711; R. 168, Monroe Co., from Juniata Co., 410 Empire Bldg., Phila., $279,897; R. 274, Chester Co., from R. L. Bonham, 26 South Laurel St., Bridgeton, N. J., $353,133; R. 212, Bradford Co., from Van Auken & Robbins, Thendara, N. Y., $244,088; R. 100,210, McKean Co., from H. W. Horst Co., Rock Island, Ill., stone $455,982, gravel, $447,685; R. 63, Indiana Co., from Milliron Constr. Co., Du Bois, $344,799; R. 19, Lycoming Co., from Winston & Co., Inc., Masonic Temple, Harrisburg, $465,007; R. 235, Luzerne Co., from Caradock Rees, 320 State St., Nanticoke, stone $254,263, gravel $254,263; R. 197, Berks Co. and R. 139, Dauphin Co., from Pyramid Constr. Co. Hershey Bldg., Harrisburg, stone $123,824 or gravel $126,155 and $51,568 respectively. Noted June 12.

S. C., Edgefield—Edgefield Co., June 24, sand clay surfacing 5.1 mi. State Route 21, Federal Aid Project 240-A, from J. L. Carroll, 2930 Divine St., Columbia, $20,117. Noted June 19.

O., Cleveland—Asphalt paving 9,300 sq. yd. West Park Blvd., from Cleveland Trinidad Paving Co., The Arcade, $51,870.

O., Cleveland Heights (Warrensville P. O.)—H. H. Canfield, city mgr., June 16, paving Berkeley Rd., from Spence Bros., 2023 Random Rd., Cleveland, 66,607; asphalt on concrete paving Bainbridge Rd., from Cleveland Trinidad Paving Co., The Arcade, Cleveland, $69,821, Blanch Rd., from Bentley Bros., 3030 Euclid Ave., Cleveland, $37,902, Spangler, Selwyn and Townsdale Rds., from Baldwin Bros., 4500 Euclid Ave., $51,420. Noted June 12.

Indiana — State Highway Dept., Indianapolis, hardsurfacing 6.4 mi. State Rd. 16, 18 ft., Spencer Co., 60,055 sq.yd. one course concrete, from Hinsey & Dull, Portland, $89,961. Engrs. est. $108,275. Noted June 26.

Ind., Bedford — Lawrence Co. **(e. e. means engrs. est.)**, concrete paving 1.2 mi. Mitchell and Spice Valley Church Rd., 18 ft., from J. and E. C. Gorman, Bedford, $25,768, e. e. $26,538; 0.9 mi. Bedford and Leesville Rd., 18 ft., from H. D. Flinn, $26,208; 1.1 mi. Mitchell and Bedford Rd., 24 ft., from W. J. Nees Co., 1152 East Walnut St., Frankfort, $26,888, e. e. $28,826; 1.07 mi. Bedford and East Oolitic Rd., 18 ft., from O. P. Turley, Bloomington, $28,382, e. e. $31,000. Noted June 5.

Ind., Kokomo — Howard Co., concrete paving 2.13 mi. Learner Rd., 18 ft., from Commonwealth Constr. Co., Indianapolis, c/o W. A. Ehrman, engr., 215 West Monroe St., Kokomo, $55,332. Engrs. est. $70,696.

Ind., South Bend—St. Joseph Co., concrete paving 1.65 mi. Godshall Rd., 18 ft., from Reith-Riley Constr. Co., Goshen, $38,740. Engrs. est. $42,001.

Michigan—State Hy. Dept. at office Comrs. Dickinson Co., Iron Mountain, grading and surfacing 0.245 mi. State Trunk Line Rd. 75-3, 11,633 sq.yd. concrete, from J. McDonell, 304 1st Natl. Bank Bldg., Duluth, Minn., $29,632. Noted June 26.

Michigan—State Hy. Dept. at office Comrs. Iosco Co., Tawas City, grading and surfacing 2.57 mi. State Trunk Line Rd. 10-21, CD1 and CD2, 7,780 cu.yd. excav., 27,795 sq.yd. concrete, from J. A. Campbell, Bay City, $46,417. Noted June 26.

Michigan—State Hy. Dept. at office Comrs. Sanilac Co., Sandusky, shaping and gravel surfacing 5.754 mi. State Trunk Line Rd. 27-12, C, and 4.924 mi. State Trunk Line Rd. 27-12, A, from D. Steele, Bad Axe, $47,219 and $40,251 respectively; grading and concrete surfacing 0.047 mi. State Trunk Line Rd. 27-12 B, 5,003 sq.yd. concrete, from Moore-Eliner Constr. Co., Sandusky, $19,812. Noted June 26.

Neb., Omaha—Asphaltic concrete paving and curbing various Districts, from G. Parles & Co., 4811 South 24th St., $400,000. Engineers est. $400,500.

S. D., Sioux Falls—Paving about 34,896 sq.yd. 18th St. between 4th and Harvard Aves., from Western Asphalt Paving Corp., 1st and Nebraska Sts., rein.-con. $1.95 per sq.yd., sheet asphalt on concrete $2.37, sheet asphalt on crushed stone $2.37, bituminous concrete on concrete $2.42, bituminous concrete on crushed stone $2.32. Noted May 15.

Tex., Carthage—Panola Co., grading and timber pile trestle bridges on 9.68 mi. State Highway 43-A, Rd. Dist. 1, State Aid Project 502, 26 ft., from Brammer & Wilder, 308 Stewart Bldg., Houston, $55,420. Engrs. est. $62,254. Noted June 19.

Tex., Jasper—Jasper Co., grading and gravel surfacing, etc., 5.34 mi. State Highway 45, State Aid Project 441, 16 ft., from J. Thompson, San Augustine, $52,305. Noted June 12.

Colorado—State Hy. Dept., Denver, gravel surfacing 4.047 mi. Federal Aid Project 273, Prowers Co., from W. A. Colt & Son, Las Animas, $42,305; concrete paving 3.163 mi. Federal Aid Project 116-C, El Paso Co. from La Neir Selander & White, Ft. Morgan, $135,038.

Tex., Pecos — Reeves Co., grading and gravel surfacing, etc., 13.25 mi. State Highway 1, Federal Aid Project 390, 18 ft., and grading and surfacing, etc., 3.79 mi. State Highway 3, Federal Aid Project 408-A, 16 ft., (9,758 cu.yd. caliche to be furnished by county), from Valient & Toomey, 1703 F. & M. Bank Bldg., Ft. Worth, $112,628 and $35,812 respectively. Engrs. ests. $121,400 and $45,725 respectively. Noted May 29.

Wash., Seattle—Paving 9th Ave., N., from Fiorito Bros., 3950 6th St., N. W., 19,850 sq.yd. 8 in. concrete, $2.00 per sq. yd., 575 lin.ft. curbing $0.60, 6,560 lin.ft. concrete curbing $0.35, 3,926 sq.yd. concrete sidewalks $1.35, 6,300 cu.yd. subgrading $0.60, etc., total $75,344. Engrs. est. $82,994.

Calif., Los Angeles—From G. H. Oswald, 366 East 58th St., improving 70th St. between Main St. and Moneta Ave., 700 sq.ft. concrete paving at $0.24 per sq. ft., 41,986 sq.ft. Warrenite bituminous paving $0.26, 2,470 sq.ft. gutter $0.35, sanitary sewer $8,000, grading $2,300; from Griffith Co., Railway Bldg., improving portion of Highland Ave., 39,788 sq.ft. 9 in. concrete paving at $0.34 per sq.ft., 145 ft. curbing $0.75, 4,781 sq.ft. walks $0.21, 1,290 sq.ft. remodel oiled surface $0.12, rein.-con. culvert, sanitary sewer, $6,300, grading $2,200.

Calif., Santa Ana—From S. Finley, Santa Ana, improving Oak, Bishop and Grant Sts., 136,332 sq.ft. 6 in. asphaltic concrete paving $0.25 per sq.ft., 2,342 ft. curb $0.55, 2,650 ft. 6 in. sewer $0.70, 2,000 ft. house laterals $0.60, manholes $0.90 each, etc., total approximately $39,450. Noted June 19.

Calif., Watts (Branch of Los Angeles)—Improving North and South Compton Aves., from G. H. Oswald, 366 East 58th St., Los Angeles, culverts $4,500, 343,952 sq.ft. 1 in. asphalt binder and 2 in. standard wearing surface on 5 in. concrete $0.34 per sq.ft., 832 ft. curb $0.75, 10,158 sq.ft. walks $0.23, 21,490 sq.ft. rock and oil macadam $0.16.

CONTRACTS AWARDED

New Hampshire—State Highway Comn., State House, Concord, paving with bituminous macadam highway in Swanzey, to A. D. Bridges Sons, Inc., Hazardville, Conn. $59,677.

Vermont — State Highway Dept., Montpelier, bituminous macadam on crushed rock paving main highway in Mount Holly, to P. C. Ricci, Rutland, $69,000.

Massachusetts — Metropolitan Dist. Comn., 1 Ashburton Pl., Boston, Western

Streets and Roads (Continued)

Ave. bridge over Charles River from Brighton to Cambridge, to T. Stuart & Sons, Newton, $269,212. Noted June 26.

Massachusetts—Pub. Wks. Dept., State House, Boston, bituminous macadam paving 4,000 ft. highway 20 ft., in Seekonk, to B. C. Jordan, 144 Elmwood Ave., Providence, R. I., $23,674. Engrs. est. $25,000. Noted July 3.

Mass., Roxbury (Boston P. O.) — Pub. Wks. Dept., City Hall, Boston, concrete paving Center St., here, to J. A. Singarella, 110 High St., Boston, $63,320. Noted July 3.

Conn., New Haven—Paving 4,500 sq.yd. Cedar St., sheet asphalt, to C. W. Blakeslee & Son, 58 Waverly Ave., $50,000.

Conn., West Hartford (Hartford P. O.) —Water bound macadam paving various streets, to Immick Co., State St. extension, Meriden, $30,000. Engrs. est. $35,000.

N. Y., Brooklyn—E. Riegelmann, boro. pres., Boro Hall, to Cleveland Trinidad Paving Co., Flushing, permanent asphalt paving East 2nd St. $6,645, 39th St. $9,661, Montgomery St. $10,331; to Cranford Co., 52 9th St., 73rd St. $9,775, 75th St. $8,818, 79th St. $11,756, and 84th St. $8,723. Noted July 3.

N. Y., New York—H. Bruckner, pres. Bronx Boro., 3rd and Tremont Aves., to O. De Blasio, 339 7th Ave., Mt. Vernon, curbing an laying sidewalks on Taylor Ave. $25,435, to I. F. Cavaluzzo, 1538 Walton Ave.; curbing and sidewalks on Rochambeau Ave. $5,437; to Interboro Asphalt Co., 2306 Creston Ave., Morris Ave. $7,198, to Asphalt Constr. Co., 208 Bway., Briggs Ave. $21,653.

N. Y., Olean—Comrs. Pub. Wks., at office G. R. Miles, city engr., paving and improving South Union St., to J. F. Morgan Co., Olean, $50,983. Noted June 12.

N. Y., Plattsburg—Plattsburg Centenary Comn., grading McDonough Memorial Monument site, to P. J. Murtagh, Plattsburg, about $25,000. Noted June 5.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro., Boro Hall, repaving Main St., bituminous concrete, to J. E. Donovan, 2205 Richmond Terrace, Port Richmond, $26,639. Noted July 3.

Pennsylvania—State Hy. Dept., Harrisburg **(R. means Route and A. Application)** rein.-con. surfacing 54,715 sq.yd. R. 110, Greene Co., to S. J. Groves & Sons Co., 306 Globe Bldg., Minneapolis, Minn., $381,-991, 32,489 sq.yd. R. 118, Sect. 1, Washington Co., to H. P. Streicher Co., 319 Terminal Bldg., Toledo, O., $167,967, 68,943 sq.yd. R. 102, Sect. 4, Tioga Co., to D. Schoentag, Saugerties, N. Y., $405,614, 70,-000 sq.yd. R. 97, Elk Co., to F. D. Ross, Bradford, $440,479, 83,200 sq.yd. R. 88, Warren Co., to J. C. Devine Co., Alliance, O., $401,243, 26,800 sq.yd. R. 61, A. 2660, Jefferson Co., to J. Wiesner, St. Marys, $135,331; bituminous surfacing on prepared broken stone, 15,500 sq.yd. road in Monroe Co., to McInerney & McNeal, Easton, $26,040, 44,600 sq.yd. R. 170, Luzerne Co., to D. A. Grant, Inc., Oil City, $55,750. Noted June 12.

Pa., Millvale—Repaving North Ave., to M. O'Herron & Co., Millvale, $52,000.

Pa., Phila.—Bureau Hys. Dept. Pub. Wks., to T. L. Flannagan, 531 East Girard St., grading Belgrade, Miller and Schiller Sts., $3,367; to T. Conner, 3621 North 5th St., Cottman St. $11,693; to Root Bros., Ridge Ave. and Righter St., Houghton and Lauriston Sts. $11,729, to S. C. Ratzell, Limekiln Pike and Haines St., Sedgwick St. $1,503, to Barber Asphalt Co., 239 North 30th St.; asphalt paving Belmar St. $5,613, Columbia St. $8,339, Devon St. $5,500, Holbrook St. $4,964, Magnolia St. $5,504, Nedro St. $9,891, Sedgwick St. $3,369, Theodore St. $2,988, 19th St. $12,918, to Eastern Paving Co., 401 Colonial Trust Bldg., Hortter and Phil-Ellena Sts. $25,802, to Union Paving Co., 30th and Locust Sts., Limekiln Pike, $14,-731, Schiller St. $2,928, 1.859 tons asphalt and 1,859 tons asphalt concrete binder $20,-165. Noted June 19.

Pa., Pine Ridge (Media P. O.) — J. Shapiro, c/o Franklin & Co., engrs., 1420 Chestnut St., Phila., water, gas and road improvements, here, to B. Franklin, Jr., 1420 Chestnut St., Phila., $50,000.

W. Va., Charleston — Asphalt paving Price and 12 other streets, to Andrews Asphalt Paving Co., 717 Rentchler Bldg., Hamilton, O., $101,538; Spring and 9 other streets, to Board & Duffold, Huntington, $95,618; Anacorda and 7 other streets, to Ebersach Constr. Co., Charleston, $83,806.

North Carolina—State Hy. Comn., Raleigh, grading and asphalt on 5 in. concrete paving 9.04 mi. State Project 617, Catarrus Co., to Noll Constr. Co., Charlotte, $320,936; grading, etc., 8.012 mi. S. P. 415, Durham Co., to B. F. Teeter, Harrisburg, $75,078. Noted June 5.

Fla., Bartow—For 86,000 sq.yd. asphaltic concrete paving and 71,000 lin.ft. concrete curbing, to West Constr. Co., Volunteer Life Bldg., Chattanooga, Tenn., $232,400. Noted July 3.

Alabama—State Hy. Dept., Montgomery, grading and graveling with Alabama gravel, 6.3 mi. highway through Clarke Co., 20 ft., to J. P. McKee, Leroy, $73,329, engrs. est. $74,000; surfacing with Alabama gravel 9.19 mi. highway through Green Co., 20 ft., to W. C. McCoy, La Fayette, $55,805, engrs. est. $56,000, bridges on same road, to Lamb & McLemore, Eutaw, $11,053. Noted June 26.

Louisiana—State Hy. Comn., Reymond Bldg., Baton Rouge, 7.94 mi. gravel road State Project 89 B, Pointe Coupee Parish, to Maggio & Alello, Baton Rouge; dredging 8.59 mi. canal on State Project 324 B, Orleans Parish, to Hampton-Reynolds, Maison Blanche Bldg., New Orleans; 5.23 mi. gravel road Federal Aid Project 147, Union Parish, and 4.55 mi. Federal Aid Project 146 B, Lincoln Parish, to N. M. George, Arcadia, $49,476 and $39,920 respectively; 1.93 mi. gravel road State Project 71, Concordia Parish, to McKeithen Constr. Co., Jackson, Miss., $9,950; 9.11 mi. gravel road State Project 338 A, Matchitoches Parish, to Young & Grubbs, Zachary, $67,-000; earth approaches to Mermentau River Bridge, Federal Aid Project 122 A, Acadia and Jefferson Davis Parishes, to Young, DeBritton & Grubbs, Zachary, $67,439; bridge over Bayou Pierre, State Project 405, to Austin Bros. Bridge Co., 1813 Clarence St., Dallas, Tex., $10,672.

La., Shreveport—B. W. Marston, pres. Shreveport Country Home Assn. Subdivision, 601 Ardis Bldg., to McGuire & Cavender, Sherman, Tex., paving, curbing, and storm sewers $40,525, sanitary sewers and disposal plant $14,981.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, **(F. A. P. means Federal Aid Project, S. A. P. means State Aid Project)**, grading and giant macadam (limestone) surfacing 9.143 mi. Manchester-Rutherford Rd., 16 ft., Coffee Co., to Pitts Bros. & Co., Mt. Pleasant, $84,-387, 4.625 mi. S. A. P. 136 to Battle Creek Rd., 16 ft., S. A. P. 170, Marion Co., and grading 5.02 mi. Tarlton-Warren Co. line Rd., incl. two timber bridges over 20 ft. span, Grundy Co., to Brown Bros. Constr. Co., Tracy City, $136,924 and $65,737 respectively; grading 2.25 mi. Humbolt-Madison Co. line Rd., F. A. P. 29-A, Gibson. Co., to Cresop Bros. Constr. Co., Humbolt, $34,877, 9.413 mi. Milan-Madison Co. line Rd., S. A. P. 167, incl. steel and concrete bridge over 20 ft. span, Gibson Co., to S. R. Hall & Co., Newbern, $58,951, 7.78 mi. Jackson-Gibson Co. line Rd., F. A. P. 29-B, Madison Co., and 3.66 mi. road from Gibson Co. line to F. A. P. 29, S. A. P. 168, incl. bridge over 20 ft. span, Madison Co., to F. D. Harvey & Co., Memphis, $46,-047 and $52,562 respectively, 8.026 mi. Troy-Hornbeak Rd., S. A. P. 169-A, incl. concrete bridge over 20 ft. span, and 4.6 mi. road from Hornbeak to F. A. P. 71-B, S. A. P. 169-B, both Obion Co., to Ellis & Smeathers, Owensboro, Ky., $74,350 and $35,068 respectively, 9.86 mi. Brighton-Shelby Co. line Rd., F. A. P. 31-A, incl. concrete bridge over 20 ft. span, Tipton Co., to J. A. Pardue & Co., Pine Bluff, Ark., $106,053, 7.37 mi. Brighton-Covington Rd., F. A. P. 31-B, Tipton Co., to Little & Dean Constr. Co., Memphis, $45,-989. Noted June 26.

Tenn., Nashville—Grading and surfacing Belcourt Ave., to R. L. Proctor & Co., Independent Bldg.; Villa St., to Rhodes-Carr Co., Nashville, Bates and 16th Aves., to David Turner Co., Nashville; Maxwell House Alley, to Clayton Paving Co., 44 Natl. Bldg.; Shelby, 28th and Maxwell Aves., to be done by day labor. Total contracts approximately $300,000. Noted June 12.

O., Bexley (Columbus P. O.)—S. W. Roderick, village clk., asphalt paving 2,700 ft. Bexley Dr., 24 ft., to Yale Constr. Co., 146 Yale Ave., Columbus, $51,000. Noted June 19.

O., Cleveland—Paving, grading, curbing and guttering 4,340 sq.yd. West 86th St., vitr. brick, to Roehl Bros., 7002 Denison Ave., $27,020; 10,350 sq.yd. Arcade and Aspinwall Aves., asphalt, to Gould & Maybach, 16311 Saranec Rd., $32,968 and $25,-890 respectively; 4,040 sq.yd. Calcutta Ave., vitr. brick, to H. G. Herring, Pavers Exch. Bldg., $26,594; Headley Ave. and West 69th St., asphalt, to Freshwater Constr. Co., Natl. Bldg., $15,186 and $4,323 respectively; East 114th St., asphalt, to A. M. Pejsa, 3161 Derbyshire Rd., Cleveland Heights, $9,546; Fuller Ave., asphalt, to Enterprise Paving & Constr. Co., 8420 Bway., $12,498. Noted July 3.

O., Cleveland—Cuyahoga Co. plans paving St. Clair Rd. from Collings Rd. to Bliss Valley, $141,800, Lee Rd. from Bway. to McCracken Rd., $61,000, Smith Rd. from Sheldon to Wooster Rds., concrete and waterbound macadam, $50,000. F. Lander, Court House, engr.

O., Crooksville — Paving 6 streets, to Henderson Bros., Coshocton, $36,847.

O., Columbus — Franklin Co., to A. W. Burns Co., 316 South High St., grading and sheet asphalt paving 2,213 ft., Schreyer Pl. Rd., 24 ft., $24,182, 2,067 ft. Dominion Blvd. West Rd., 24 ft., $27,579, 579 ft. Rosemary Parkway Rd., 50 ft. with 18 ft. parkway in center $11,359, 750 ft. Zeller Rd., 50 ft. with 18 ft. parkway in center $15,677, 438 ft. Olentangy Blvd. Rd., 36 ft. $8,287, 1,934 ft. Aldrich Rd., 26 ft., $33,220. Noted June 26.

O., Dayton—Repaving 55,000 sq.yd. West 5th St., brick on sand, to L. A. Marshall, 302 Ludlow Bldg., $116,040. Engrs. est. $146,830. Noted Feb. 7.

O., Warren — Repaving and widening High St. from Park Ave. to Elm St., sheet asphalt and new stone curb, to V. Olson, Warren, $52,029. Engrs. est. $55,000. Noted Mar. 13.

Ind., Bluffton—Wells Co., concrete paving 7,080 ft. Millington Rd., to Addington & McCarty, Bluffton, $16,327; 8,128 sq.yd. Frazier Rd., to O. D. Garrett, Bluffton, $24,789. Noted June 19.

Michigan — State Hy. Dept. at office Comrs. Eaton Co., Charlotte, grading and surfacing 7.61 mi. State Trunk Line Rd. 39-11, A and B, 4,368 cu.yd. excav., 8,-890, sq.yd. concrete, to J. C. O'Connor & Son, Ft. Wayne, Ind., $206,070; 4.333 mi. Federal Project 100 A3, 27,736 cu.yd. excav., 50,844 sq.yd. concrete, to Lewis & Freisinger, Albion, $142,993. Noted July 3.

Michigan — State Hy. Dept., Lansing, grading and surfacing 1.014 mi. Federal Aid Project 100 A1 and A2, 11,486 cu.yd. excav., 12,102 sq.yd. concrete, to Lewis & Freisinger, Albion, $36,718.

Michigan — State Hy. Dept. at office Comrs. Roscommon Co., Roscommon, grading and surfacing 6 mi. State Trunk Line Rd. 18-18, Sect. C, 37,487 cu.yd. excav., 56,308 sq.yd. gravel, to W. H. Gilliland, Gladwin, $50,134. Noted July 3.

Mich., Detroit—To Otis Cement Constr. Co., 806 Hammond Bldg., grading and paving with one course 6 in. concrete, Alley 1975 $4,520, Alley 1980 $4,933, Alley 1982 $4,272, to R. J. Powelson Co., 6530 Epworth Blvd., Alley 1976 $4,926, Alley 1977 $5,162; to C. L. Lincoln, 8074 East Canfield Ave. Alley 1978 $2,939, Alley 1981 $2,915; to McAllester & Bookout, Detroit, Alley 1979 $852.

Mich., River Rouge—Concrete curbing, guttering and paving 29,000 sq.yd. Polk, Stoner and Alexander Aves., 7 in. vibrolithic concrete, to R. K. Powelson, 6530 Epworth Blvd., Detroit, about $120,000.

Wis., West Allis — Bd. Pub. Wks., to Reisinger & Co., 464 Oakland Ave., Milwaukee, improving 50th Ave., vibrolithic paving, $0.85, grading $2.45; to Texas Constr. Co., 446 68th Ave., paving $1.96 to $2.02, grading $0.70 to $1. Work involves 17,390 sq.yd. paving, 5,812 cu.yd. grading, etc. Noted June 26.

Ia., Des Moines—Polk Co., paving, etc., various streets, to Wright Constr. Co., 211 Flynn Bldg., 10,947 cu.yd. excav., at $0.89 per cu.yd., 55,298 sq.yd. paving $2.48, 6 intakes $85.00 each. Noted June 12.

Minn., Duluth—Improving 3,628 ft. Gladstone St., 11,260 sq.yd. concrete, 7,370 in. ft. 6 in. integral concrete curbing, 29,050 sq.yd. sidewalks, 11,000 cu.yd. earth and 230 cu.yd. rock excav., 8,160 ft. 9- to 12-in. concrete sewer pipe, also 4,660 ft. Superior St., 14,445 sq.yd. concrete, 6,525 lin.ft. 6 in. concrete curbing, 1,630 ft. concrete sidewalks, 4,434 cu.yd. earth and 75 cu.yd. rock excav., 2,339 ft. 10- to 15-in. sewer pipe, to R. J. Kapphahu Constr. Co., 1811 Wallace Ave., $54,171 and $48,264 respectively; 932 ft. 27th Ave., 838 sq.yd. concrete, 620 ft. 6 in. concrete curbing, 3,915 cu.yd. earth and 5,700 cu.yd. rock excav., etc., to A. A. Bodin & Sons, 408 Columbia Bldg., $26,646. Noted May 15.

Minn., Rochester — Improving various streets, 5,790 sq.yd. 3 in. vertical fibre brick, 3,612 lin.ft. curb and gutter, to Utton Constr. Co., 5024 Lyndale Ave. S. Minneapolis, $25,000; 8,610 lin.ft. combined curb and gutter, to J. J. Kerr, Rochester, $7,000.

Minn., St. Paul—Ramsey Co. paving, etc., Project 24-52, Dellwood Connection, Lake

Streets and Roads (Continued)

Avenue-White Bear Rd., 5,872 cu.yd. excav., 18,585 sq.yd. 2 in. asphaltic concrete on plain concrete, 4,506 lin.ft. concrete gutter, 3,832 lin.ft. combined curb and gutter, to Hanlon & Oakes, 338 Lumber Exch., Minneapolis, $68,558.

Kan., Marion — Marion Co. grading Federal Aid Project 216-A, to Dolman & Kanode, Topeka, $33,169, engrs. est. $36,572; Federal Aid Project 218-A, to Somers-Hall Constr. Co., Newton, $56,599, engrs. est. $68,577. Noted July 3.

Kan., Wichita—Sedgwick Co., grading and concrete surfacing 1.989 mi. Valley Center Extension Rd., 18 ft., to Ziegler & Dalton, Junction City, $71,767, engrs. est. $73,889; grading and brick surfacing 1.2b mi. Federal Aid Project 130-C, 18 ft., to Stewart & Ritchie, Wichita, $55,783, engrs. est. $56,213. Noted May 29.

Mo., Fulton—To P. D. Thurmond, Fulton, improving general streets, 18,744 ft. straight concrete curbing $0.55 and $0.57 per ft., 1,125 ft. curved curb $0.60.

Mo., Higginsville—Grading, curbing and concrete paving 5,330 sq.yd. East Green St., to Haller & Davis, Boonville.

Ark., Hot Springs—Paving Dist. 72, 8,140 sq.yd. concrete, etc., to E. B. Mooney, 348 Valley St., $27,454; Paving Dist. 74, 16,397 sq.yd. concrete, 3,983 cu. yd. excav., 1,893 ft. 12- to 24-in. tile, 10,297 ft. concrete curbing, 9,744 lin.ft. concrete gutter, 14,215 ft. expansion joints, etc., to P. F. Connelly Co., Southern Trust Bldg., Little Rock. Noted June 26.

Tex., Dallas — Paving Fairmount Ave. from McKinney to Oak Lawn Sts., bitulithic, to Central Bitulithic Co., Praetorian Bldg., $78,313; Bonita St., rock asphalt, to Uvalde Paving Co., Insurance Bldg., $29,696.

Colo., Denver — Concrete paving 24 blocks in Alley Paving Dists. 109 and 110, to A. J. Collins, 4457 Decatur St., $23,172 and $21,684 respectively; 24 blocks in Alley Paving Dists. 111 and 112, to W. F. Pigg & Son, Commonwealth Bldg., $23,715 and $18,149 respectively.

Wash., Seattle—Pub. Wks., paving 5th Ave. et al., to R. G. Stevenson, 1327 North 34th St., $24,603. Engrs. est. $28,463. Noted June 26.

Calif., Burbank — Improving Harvard Rd., etc., to G. A. Simpson, Olsen Bldg., grading $0.50 per lin.ft., concrete curbing $0.55 per ft., 6 in. concrete paving $0.23 per sq.ft., culverts $2 per ft., oil macadam paving $0.11¾ per ft., total approximately $342,000.

Calif., Inglewood—To G. R. Curtis Co., 2440 East 26th St., Los Angeles, improving Eucalyptus Ave., etc., 477,641 sq.ft. grading at $0.03 per sq.ft., 15,707 ft. curbing $0.60, 78,119 sq.ft. walks $0.19, 301,043 sq. ft. 5 in. asphaltic concrete paving $0.17, etc., total $92,675; to J. L. McLain, 3452 West Slausson Ave., Los Angeles, improving Hyde Park Blvd., 247,465 sq.ft. grading $0.03, 243,146 sq.ft. 6 in. concrete paving $0.20, etc., total $60,023.

Calif., Los Angeles—To W. D. McCray, Amer. Bank Bldg., improving Soto St. between Medford on Griffin Aves., grading, $25,000, 95,812 sq.ft. 5 in. bituminous base $0.229 per sq.ft., 31,513 sq.ft. concrete $0.25, 14,766 sq.ft. oiling and rolling $0.07, etc., approximately $94,950.

Calif., Los Angeles—Supervs. Los Angeles Co., grading, etc., Painter Ave. between Anaheim-Telegraph Rd. and Whittier Blvd., to J. P. Benson, 943 South Windsor Blvd., approximately $46,625. Noted May 29.

Calif., San Diego—Paving Columbia and Maple Sts., to California Constr. Co., Union Bldg., $49,695.

Calif., Ventura—Ventura Co. will improve Wooley Rd. to Pacific Ocean, 14,830 lin.ft. shaping and railing, 238,000 sq.yd. 5 in. asphaltic macadam, 5,000 cu.yd. excav., etc., by day labor. To exceed $25,000. Former bids rejected.

Buildings—Industrial

PROPOSED WORK

Me., Wilton—Plant—Wilton Woolen Co., plans hydro-electric plant. To exceed $40,000. G. T. Goodspeed, mgr. Private plans.

Mass., Medford — Plant — Cement Block Co., Coolidge St. and Glenn Rd., having preliminary plans by Winebaum & Wexler, 73 Cornhill St., Boston, rein.-con. and brick, Coolidge St. and Glenn Rd. $40,000.

N. Y., Buffalo — Shop — Houde Eng. Corp., 1392 West Ave., plans machine shop, Winchester Ave. To exceed $50,000.

N. Y., Buffalo — Storage — Beals, McCarthy & Rogers, Inc., 40-60 Terrace St., having plans prepared by R. J. Reidpath, Mutual Life Bldg., 4 story, 75 x 125 ft., rein.-con. and brick, Katherine St. $65,000.

Pa., Phila.—Manufacturing—J. J. Greenberg, Morris Bldg., having plans prepared by L. Rothschild, 215 South Broad St., 6 story and basement, 117 x 203 ft., rein.-con. and brick, plain foundation, 16th St. at North Phila. Sta. $325,000.

W. Va., Moundsville—Power Plant—Fostoria Glass Co., having plans prepared by H. O. Swoboda, Inc., consult. engrs., Empire Bldg., Pittsburgh, Pa., improvements to plant incl. new generating unit.

O., Cleveland—Factory—Cosmos Investment Co., c/o H. Opper, pres., 412 West Superior Ave., plans 2 story, brick and steel, addition 19,005 St. Clair Ave. $75,000. Engineer and architect not selected.

Mich., Detroit — Factory — Bernard Schwartz Cigar Corp., 1358 Napoleon St., had plans prepared by A. Kahn, 1000 Marquette Bldg., 2 story and basement, 100 x 120 ft., brick and steel, plain foundation, Milwaukee Ave. $60,000.

Mich., River Rouge—Sub-Station—Ford Motor Co., Highland Park (Detroit P. O.), had plans prepared by A. Kahn, 1000 Marquette Bldg., Detroit, 1 story, 34 ft. high, 40 x 200 ft., rein.-con., brick and steel, plain foundation, here.

Ill., Chicago—Factory—Amer. Oven & Machy. Co., Conway Bldg., having plans prepared by R. Greisser, 64 West Randolph St., and takes bids about July 18, 1 story, 70 x 220 ft., brick and steel, California and Flournoy Aves. $60,000.

Ill., Chicago—Shop—A. F. Anderson Iron Wks., 5844 Loomis St., having plans prepared by R. C. Harris, 190 North State St., 1 story, steel, plain foundation, 58th St. and Wallace Ave. $70,000.

Wis., Stiles—Mill—Anson Eldred Co., Anson Eldred, pres., 339 1st Ave., Milwaukee, plans rebuilding 2 story pulp and planing mills, recently destroyed by fire. To exceed $40,000. Engineer and architect not selected.

Mo., Mountain Grove—Plant—See "Unclassified."

Mo., Willow Springs—Power Plant—Willow Springs Light & Power Co. takes bids about July 15, rebuilding electric light and power plant recently destroyed by fire. $50,000. Alexander Eng. Co., 517 Woodruff Bldg., Springfield, engrs.

Tex., Lubbock — Textile, etc. — Texas Technological College having plans prepared by Sanguinett, Staats & Hedrick, engrs. and archts., 1st Natl. Bank Bldg., Ft. Worth, textile and engine ring buildings, stock judging building, girls dormitory, power plant, etc. $500,000.

Tex., Sageton—Cotton Gin—Farmers Gin Co., plans 4 stand 80 saw cotton gin. $40,000. F. W. Stegemoller, Sageton, engr.

Calif., Santa Maria—Creamery—Golden State Milk Products Co., 425 Battery St., San Francisco, had plans prepared 1 story concrete. $60,000. Private plans.

Calif., Stockton—Roundhouse and Shops—Western Pacific Ry. Co., Poplar and Sacramento Sts., had plans prepared roundhouse and shops, $69,500, also machine shops, $45,000. Private plans.

Que., Lac Bouchette—La Cie Electrique Lac Bouchette Electric Co., Ltd., plans small dam and power house. $40,000. Engineer not selected.

BIDS DESIRED

N. H., Nashua—Manufacturing—Paterson Realty Co., taking bids 2 story, 142 x 288 ft., brick and steel. To exceed $40,000. R. C. Qole, 103 Temple St., engr.

Fla., St. Petersburg—Gas Plant, etc.—July 14, by City Comn., gas plant and main extensions. $125,000. E. Ketchen, St. Petersburg, engr. Noted Apr. 3.

O., Cleveland—Shop, etc.—Aleen-Osborn Co., archts., Rose Bldg., taking bids and open same about July 15, 1 and 2 story, brick and steel, machine shop, structural shop, pattern storage and office building, Harvard Ave. near East 62nd St., for C. O. Bartlett & Snow Co., H. S. Hershey, vice pres., French Ave. and Columbus Rd. $200,000.

Ind., Anderson—Factory and Office—July 15, by Hughes-Curry Packing Co., 1800 West 8th St., two 2 story, brick and concrete, West 8th St. $100,000. Noted May 22.

Mich., Detroit—Factory—July 17, by Weston & Ellington, archts., 1507 Stroh Bldg., archts., 2 story and part basement, 100 x 250 ft., rein.-con. and brick, plain foundation, Scotten Ave. and Michigan Central R.R., for Howard Flint Ink Co., 1430 Sherman St.

Mich., River Rouge—Plant—A. Kahn, archt., 1000 Marquette Bldg., Detroit, taking bids and opens same about July 17, 2 story, 40 ft. high, 48 x 62 ft., rein.-con., brick and steel, wood pile and concrete foundation, West Jefferson Ave., for Peerless Portland Cement Co., First Natl. Bank Bldg., Detroit.

Ill., Chicago — Plant — R. C. Harris, archt., 190 North State St., taking bids 1 story, steel, plain foundation, 58th and Wallace Sts., for Anderson Iron Wks., 5844 Loomis St. $70,000.

Minn., Owatonna—Plant—July 17 (extended date), by M. R. Cashman, chn. Utilities Comn., 1,000 kw. steam electric generating plant, electric distribution, street lighting and steam heating systems in business district. $350,000. A. L. Mullergren, 555 Gates Building, Kansas City, Mo., consult. engr. Noted June 26.

BIDS RECEIVED

N. Y., Stapleton (Sta. Staten Island)—Sub-Stations — Dept. Docks, Municipal Bldg., New York City, electric sub-stations on Piers 12 and 13, here, from New York Electrical Constr. Corp., 157 East 44th St., New York City, $46,565.

CONTRACTS AWARDED

N. Y., Hudson—Factory—Canada Dry Ginger Ale Co., Hudson, 1 story, 100 x 200 ft., brick and steel, to H. K. Ferguson Co., 4900 Euclid Ave., Cleveland, O. Archts. est. $75,000.

N. Y., New York—Production and Boiler Plant—Quality Laundry Service, Inc., 251 3rd Ave., brick, steel and stone, plain foundation, Southern Blvd. and 134th St., to J. H. Deeves & Bros., 103 Park Ave. Archts. est. $500,000.

N. Y., Wilson—Factory—Curtice Bros., 3 story and basement, 40 x 100 ft., brick and steel, to H. K. Ferguson Co., 4900 Euclid Ave., Cleveland, O. Archts. est. $75,000.

Pa., Colwyn (Darby P. O.) — Power Plant—G. Woolford Tank Mfg. Co., Lincoln Bldg., 2 story, 50 x 50 ft., brick and steel, plain foundation, to Barclay White Co., 1713 Sansom St.

Pa., Holmesburg — Dye House — Barrymore Seamless Wiltons, Inc., Lippincott and A Sts., 1 story, 98 x 162 ft., brick and steel, plain foundation, to J. L. Fawley, 1615 Spruce St., $50,000.

Md., Baltimore — Foundry — Maryland Penitentiary, Eager and Forrest Sts., 3 story, rein.-con. and steel, plain foundation, to Pamfilis Contg. Co., 305 North Greene St., $85,000.

S. C., Hayne—Repair Shops, etc.—Southern Railway System, 1300 Pennsylvania Ave., Wash., D. C., 108 x 390 ft., steel frieght car repair shop equipped with electrically operated traveling crane and served by 5 tracks, 50 x 130 ft. annex machine shop, 180 x 240 ft. coach shop, masonry and steel, 200 x 200 ft. coach paint shop, 2 story, 40 x 120 ft. annex for upholstery and other work, 35 x 105 ft. employees wash and locker house, 55 x 105 ft. wheel shop, 100 x 160 ft. smith shop, 100 x 160 ft. planing mill, 50 x 90 ft. powerhouse, 52 x 400 ft. scrap dock, approximately 10 mi. track will be constructed in connection with plant, etc., here, to D. P. Robinson, 125 East 46th St., New York City, $3,000,000.

Tenn., Chattanooga — Foundry — Ross Meehan Fdry. Co., will build brick and steel foundry, Carter St., by day labor, structural steel to Converse Bridge Co., Anderson St.; steel sash, to Detroit Steel Products Co., 2250 East Grand Blvd., Detroit, Mich. Archts. est. $50,000.

O., Cleveland—Factory—Fixit Body & Fender Repair Co., 2075 East 65th St., 1 and 2 story, brick and steel addition, Carnegie Ave., to H. C. Slatmyer & Son Constr. Co., 203 Lakeside Ave., N. W., Cleveland, Archts. est. $50,000. Noted Feb. 28.

Ind., Indianapolis — Plant — Thornton-Levey Printing Co., 44 South Pennsylvania St., will build 2 and 3 story and basement, 42 x 195 ft., brick and steel, North Illinois St., by day labor. $150,000. Noted June 26.

Wis., Friendship—Power Plant—Friendship Electric Light & Power Co., will build hydro-electric power plant by day labor; L. A. De Guerc, engr., Wood Block, Wisconsin Rapids, taking bids 100 tons steel piling, 15 tons reinforcing steel, 1,500 bbls. cement, etc. Noted June 19.

Wis., Milwaukee—Factory—M. K. Dunham, 110 South Dearborn St., Chicago, Ill., 1 story, 80 x 110 ft., brick and timber, plain foundation, 27th St., here, to Meredith Bros., 253 Washington St. Archts. est. $45,000.

Buildings—Industrial (Continued)

Mo., Sedalia—Factory—Amer. Disinfection Co., 3 story and basement, rein-con. and brick, to Western Constr. Co., 710 Park St., Des Moines, Ia. $54,000.

Mo., St. Louis—Plant—Midwest Piping & Supply Co., 1452 South 2nd St., general contract 1 story, 120 x 303 ft., brick and concrete, 2nd and Kosciusko Sts., to Fruin-Colnon Constr. Co., Merchants Laclede Bldg. Archts. est. $100,000.

Mo., St. Louis — Sub-station — Union Electric Light & Power Co., 12th and Locust Blvds., 1 story, 50 x 63 x 67 ft., rein.-con. and brick, to Fruin-Colnon Constr. Co., Merchants Laclede Bldg. Archts. est. $40,000.

Que., Hull—Factory—E. B. Eddy Co., Ltd., factory on Notre Dame St., to Anglin Norcross Co., Ltd., Victoria St., Montreal, about $1,000,000. Soon takes bids for double overhead pipe line to carry materials to and from sulphite mills.

Buildings—Commercial

PROPOSED WORK

Mass., Amherst—Club House—Amherst Lodge, Knights of Columbus, Belchertown Rd., having plans prepared by O. Beacham, 440 Appleton St., 3 story and basement, 50 x 130 ft., brick and stone, Belchertown Rd. $150,000 or more.

Mass., Boston—Boston Y. W. C. A., c/o H. L. Harrison, chn. building comn., 50 Congress St., plans 9 story building, Stuart and Clarendon Sts. $1,000,000. Shepard and Sterns, 65 Franklin St., archts.

Mass., Boston—Office and Warehouse—H. C. Davis, 68 Devonshire St., having plans prepared by Monks & Johnson, 99 Chauncy St., and takes bids after July 10, 5 story and basement, 88 x 95 ft., 287-293 Columbus Ave., $160,000. Noted July 3.

Mass., Brighton (Boston P. O.)—Exchange—New England Telephone and Telegraph Co., 50 Oliver St., Boston, having plans prepared by R. C. Sturgis, 120 Boylston St., Boston, telephone exchange, Henshaw St.

Mass., Cambridge—Memorial—Harvard University, plans Straus Memorial Building, on college grounds. $300,000. W. Lawrence, chn. com. on building extensions. Engineer and architect not selected.

Mass., Fitchburg—School—St. Josephs Church Society, takes bids about July 15, 3 story and basement, 45 x 93 ft., brick, Columbus St. $150,000. A. M. Dyer, 1 Beacon St., Boston, archt.

Mass., Monson — High School — Town plans high school. $200,000. J. Burgess, supt. of schools and chn. building comn. Engineer and architect not selected.

Mass., New Bedford — School — Polish Church, having plans prepared by G. P. Alderman & Co., Alderman Bldg., Holyoke, 2½ story, 70 x 170 ft., brick, steel, and stone, Broad St., $150,000.

Mass., Norwood—High School—Town Bd. Selectmen, having sketches made by W. S. Upham, Norwood, new senior high school. $300,000.

Mass., Pittsfield—Store—England Bros. Dept. Store, North St., having plans prepared by G. E. Haynes, 184 North St., altering and constructing 3 story and basement, 50 x 100 ft., brick addition. $150,000.

Mass., Plymouth—Hall and Auditorium—H. Watson, chn. Town Building Com., having plans prepared by J. D. Leland & Co., 41 Mt. Vernon St., Boston, brick and stone. $300,000. Noted May 29.

Mass., Springfield — School — School Bd., having plans prepared by M. W. Maloney, 23 Pearl St., school, Hancock St. $350,000. Noted May 22.

Conn., Hartford—Office and Store—I. Wise, 74 Pratt St., having plans prepared by I. A. Allen, Jr., 100 Farmington Ave., 10 story and basement.

Conn., Middletown — Temple — Masonic Building Assn., plans temple on South, Main and Pleasant Sts. To exceed $150,000. A. W. Sellew, 721 Main St., Hartford, archt.

Conn., Waterbury — High School — Bd. Educ., plans new high school. $1,500,000.

N. Y., Brooklyn—Arsenal—Armory Bd., Adjutant General, State St., Albany, rejected bids 6 story and basement, on blocks bounded by 2nd and 3rd Aves., 63rd and 64th Sts., here. $1,350,000. Will readvertise.

N. Y., Buffalo—Lodge—Fraternal Order of Eagles, Tupper and Pearl Sts., having plans prepared by McNeil & Thompson, Dun Bldg., and soon takes bids 4 story, 75 x 115 ft., rein.-con., brick and steel, Pearl St. $400,000.

N. Y., Hudson—Warehouse—C. A. Van Duesen Co., having plans prepared by Monks & Johnson, 99 Chauncy St., Boston, Mass., and takes bids about Aug. 1, 5 story and basement, 95 x 133 ft. warehouse, and 1 story, 30 x 50 ft. boiler house. $250,000.

N. Y., Long Island City—Service Station—International Motor Corp., 73 Empire Blvd., Brooklyn, having plans prepared by E. E. Seelye, engr. and archt., 101 Park Ave., New York, brick, steel and stone, Moore and Honeywell Aves., here. $750,000.

N. Y., New York—Apartment—Eleven Hundred Thirty Six 5th Ave. Corp., c/o G. F. Pelham, archt. and engr., 200 West 72nd St., soon takes bids 14 story, brick, steel and stone, plain foundation, 5th Ave. $1,000,000.

N. Y., New York—Apartment—L. G. Hammersley, c/o J. E. R. Carpenter, archt. and engr., 598 Madison Ave., having plans prepared 14 story, 62 x 125 ft., brick, steel and stone, plain foundation, 5th Ave. and 84th St. $950,000.

N. Y., New York—Apartment Hotel—West End Ave. and 75th St. Corp., c/o R. T. Lyons, archt. and engr., 342 Madison Ave., soon takes bids 15 story, brick, steel and stone, plain foundation, West End Ave. and 75th St. $1,000,000.

N. Y., New York—Armory—Armory Bd., Municipal Bldg., soon takes bids altering brick, steel and stone, 1341 Madison Ave. $250,000. Tachau & Vought, 102 East 30th St., archts. and engrs.

N. Y., New York—Bank and Office—Corn Exch. Bank, 13 William St., plans brick, steel and stone, plain foundation, Kingsbridge Rd. and Creston Ave. $250,000. Engineer and architect not selected.

N. Y., New York—Church and Apartment—Broadway Temple, c/o Donn Barber, archt. and engr., 101 Park Ave., having plans prepared brick, steel and stone, plain foundation, Bway. and 173rd St. $4,000,000.

N. Y., New York—Hall and Lodge—Markstein Realty Corp., c/o Margon & Glaser, archts. and engrs., 2804 3rd Ave., soon takes bids 2 story, brick, steel and stone, plain foundation, 156th and Fox Sts. $400,000.

N. Y., New York—Hospital—St. Marks Hospital, 175 2nd Ave., having plans prepared by Hunt & Hunt, archts. and engrs., 28 East 21st St., brick, steel and stone, plain foundation, 11th St. and 2nd Ave., $1,250,000.

N. Y., New York—Office and Stadium—G. L. Rickard and J. Ringling, Madison Sq. Garden, having plans prepared by T. W. Lamb, archt. and engr., 644 8th Ave., 26 story, brick, steel and stone, plain foundation, 8th Ave. between 49th and 50th Sts. $18,000,000.

N. Y., New York—Office—Wallach Bros., Bway. and 29th St., having plans prepared by Starrett & Van Vleck, archts. and engrs., 8 West 40th St., altering 6 story, 75 x 100 ft. brick steel and stone, plain foundation, 487 5th Ave. $250,000.

N. Y., Niagara Falls — Schools — Bd. Educ. plans new school and additions to several other schools. To exceed $500,000. Engineer and architect not selected.

N. Y., North Tonawanda—High School—Bd. Educ. soon takes bids new high school. $375,000. Tooker & Marsh, 101 Park Ave., New York City, archts.

N. Y., Syracuse — Hospital — Building Com. St. Josephs Hospital, 301 Prospect Ave., had plans prepared by Gaggin & Gaggin, University Blk., and soon takes bids new hospital. $500,000.

N. Y., Utica—Parish House—Building Comn. Plymouth Congregational Church, having plans prepared by Gouge & Ames, 70 Genesee St., 3 story, 114 x 150 ft., concrete, brick and steel. $150,000.

Pa., Bethlehem — Market, Arcade and Comfort Station—City having plans prepared by H. J. Weigner, Bethlehem Trust Bldg., 1 story, 100 x 100 ft., 32 x 130 ft. and 30 x 50 ft., brick and steel, plain foundation.

Pa., Phila.—City Hall—Having plans prepared by P. H. Johnson, 1713 Sansom St., 15 story and basement, 106 x 175 ft., brick and steel addition, Juniper and Filbert Sts. $2,000,000.

Pa., Phila. — Service Station — F. W. Greisler, archt., 1035 Walnut St., making plans auto service station, brick and steel, plain foundation, Walnut and 48th Sts. $225,000. Owner's name withheld.

W. Va., Mt. Hope—Theatre, Office and Temple—Mt. Hope Building Co., having plans prepared by Knapp & Haverland, Capitol City Bank Bldg., Charleston, 4 story and basement, 80 x 100 ft., rein.-con. and brick. $150,000.

N. C., Charlotte—Schools—School Bd. having plans prepared by Lockwood, Greene & Co., Piedmont Bldg., two junior high schools; by L. H. Asbury, Realty Bldg., 3 grammar schools; by W. G. Rogers, Trust Bldg., 2 additions; by M. E. Boyer, Jr., Trust Bldg., 1 school; by M. R. Marsh, Charlotte, 1 school. $1,000,000 available. Stroyer & Englehardt, Columbia University, consult. engr. Noted Apr. 10.

La., Baton Rouge — Church — First Methodist Church had plans prepared by Spencer & Philips, Goodwyn Institute, Memphis, Tenn., brick, stone, steel and tile. $150,000.

Tenn., Johnston City—High School—Election soon $250,000 bonds for high school. C. B. Coe, city clk.

Tenn., Memphis—Science Hall, etc.—Southwestern Presbyterian University soon takes bids science hall $100,000, dormitory $160,000, dining hall, etc., $120,000, all brick and stone on campus. H. C. Hibbs, 4th and 1st Natl. Bank Bldg., Nashville, archt.

Tenn., Sewanee—Dormitory—Bd. Trustees University of the South, plans dormitory probably stone, on campus. To exceed $150,000.

Ky., Ashland—Store—A. Josselson having plans prepared by Tyson & Foster, Ashland, 6 story and basement, 50 x 142 ft., Winchester St. $150,000.

Ky., Covington—Club—Bishop Carroll Council Knights of Columbus plans 2 story and basement, brick, Lynn Ave. $200,000.

Ky., Louisville — Apartment Hotel—Joseph & Joseph, archts., Francis Bldg., preparing plans 10 story, 140 x 220 ft., tapestry brick, stone and terra cotta, 4th and Kentucky Sts. $1,600,000. Owner's name withheld.

Ky., Louisville—Temple—Ancient Free and Accepted Masons, 1505 Chestnut St., having plans prepared by Plato & Evans, Amer. Mutual Bldg., 4 story and basement, 60 x 160 ft., 9th and Chestnut Sts. To exceed $150,000.

O., Cleveland — Apartment — I. Cahn, 10615 Grantwood Ave., having sketches made by A. F. Janowitz, 811 Prospect Ave., 4 story and basement, brick, 10901 Lake Ave. $300,000.

O., Cleveland — Commercial and Club House—Polish Alliance of America, c/o F. Rell, 3772 East 71st St., plans 2 story, brick and steel, Bway and Forman Ave. $150,000. Engineer and architect not selected.

O., Cleveland—Hotel—M. A. Friedman, c/o G. O. Keeley, Union Trust Bldg., plans 5 story, 100 x 150 ft., concrete, brick and steel, 1858 East 20th St. $300,000. Engineer and architect's names withheld.

O., Cleveland—Postal Sub-station, Offices and Apartment—Jay Realty Co., c/o W. S. Ferguson Co., archt., 1900 Euclid Ave., having plans prepared, 3 story, 74 x 100 ft., brick and steel, West 25th St. and Jay Ave. $150,000.

O., Columbus—Office—Ohio State Life Insurance Co., J. M. Sarver, pres., New 1st Natl. Bank Bldg., having sketches made by Richards, McCarty & Bulford, 584 East Broad St., 5 story and basement, brick and concrete, Lexington and Bird Sts. $250,000.

O., East Cleveland (Cleveland P. O.) Apartment—The Ideal Impvt. Co., c/o S. Spira, 2207 Ontario St., Cleveland, taking bids about July 10, 3 story and basement, 80 x 110 ft., brick and timber, Superior Ave. $150,000. S. H. White, 1032 Schofield Bldg., Cleveland, archt.

O., Gambier—Science—Kenyon College, W. F. Pierce, pres., having sketches made by A. Garfield, National City Bldg., Cleveland, Mother Science Hall, 3 story and basement, brick, steel and concrete. $150,000.

O., Lakewood — Apartment — Syndicate, c/o W. Wilson, Insurance Center Bldg., Cleveland, having plans prepared by A. W. Harris, Discount Bldg., Cleveland, 6 story and basement, brick, steel and concrete, Edgewater Dr., here. $15,000,000.

O., Lakewood—Apartment—H. A. Lattin, 310 Lakeside Ave., Cleveland, having plans prepared by Braverman & Harvermaet, Ulmer Bldg., Cleveland, 2 story, 100 x 120 ft., brick and timber, Riverside Dr. $150,000.

O., Lakewood — Apartment — Sobul & Elder, 438 Guardian Bldg., Cleveland, had plans prepared by M. Weis, 617 Union Bldg., Cleveland, 3 story and basement, 52 x 142 ft., brick, 17801 Hird St., here, $150,000.

Mich., Albion—Gymnasium—Albion College, having plans prepared by J. D. Chubb, 109 North Dearborn St., Chicago, and soon takes bids 1 story and basement, brick and steel, plain foundation. $175,000.

Mich., Benton Harbor — Office — H. S. Gray having plans prepared by W. W. Ahlschlager, 65 East Huron St., Chicago, 5 story and basement, 62 x 125 ft., and 104 x 125 ft. rein.-con. and brick, Main and Pipestone Sts. $300,000.

Mich., Birmingham — School — School Dist. 1, having plans prepared by F. D. Madison, 209 First State Bank Bldg., Royal Oak, 2 story and basement, 12 room, rein.-con., brick and steel, plain foundation. $150,000.

Mich., Detroit—Clubhouse—Elks Temple Assn., Lafayette and Cass Aves., having plans prepared by Weston & Ellington, 1507 Stroh Bldg., 6 story and basement, 130 x 160 ft., rein.-con., brick and steel, plain foundation, Cass Ave. $1,500,000.

Buildings—Commercial (Continued)

Mich., Detroit — School — Jesuit Parish, c/o University of Detroit, East Jefferson Ave., having plans prepared by B. C. Wetzel & Co., 2317 Dime Bank Bldg., 2 story and basement, 73 x 92 ft., rein.-con., brick and steel, plain foundation, Livernois Ave. $150,000.

Mich., Highland Park (Detroit P. O.)—Office and Warehouse—Ford Motor Co., had plans prepared by J. Kasurin, 502 Empire Bldg., Detroit, 2 story and part basement, 110 x 300 ft., rein.-con. and brick, plain foundation. $200,000.

Mich., Northville — Nurses Home — Detroit Bd. Health, Clinton and Beaubien Sts., Detroit, had plans prepared by M. R. Burrowes, 2631 Woodward Ave., Detroit, 2 story and basement, 10 x 110 ft., rein.-con. and brick, plain foundation, here. $150,000.

Ill., Chicago—Apartment Hotel. See "Unclassified."

Ill., Chicago — Apartment — Corporation now forming, c/o W. W. Ahlschlager, archt, 65 East Huron St., had plans prepared and takes bids about July 15, 17 story and basement, 140 x 160 ft., rein.-con., brick and Bedford stone, 56th St. and Everett Ave., $2,500,000.

Ill., Chicago—Clubhouse—A. Kahn, archt., 1000 Marquette Bldg., Detroit, Mich., takes bids about July 10, 10 story (ultimately 21 story) and basement, 70 x 195 ft., rein.-con., brick, steel and stone, Dearborn St., here, for Standard Club.

Ill., Chicago—Garage—Kinzie Building Corp., c/o D. S. Klafter, archt., 64 West Randolph St., having plans prepared and takes bids about July 17, 5 story and basement, 98 x 141 ft., rein.-con., brick and terra cotta, 925 Kinzie St. $250,000.

Ill., Chicago—Hotel—N. Hallberg, 116 South Michigan Ave., having plans prepared by L. G. Hallberg & Co., 116 South Michigan Ave., Larchmont Hotel, 8 story and basement, rein.-con. and brick, plain foundation, Commonwealth Ave. $750,000.

Ill., Chicago — Store and Apartment — Goldstein & Gilmore, 51st St. and Greenwood Ave., having plans prepared by Newhouse & Burnham, 4623 Drexel Blvd., 3 story and basement, 80 x 104 ft., brick and steel addition, plain foundation, 71st St., Bennett and Euclid Aves. $350,000.

Ill., Chicago—Theatre, Store and Office—Metro Theater Corp., North Ave., having plans prepared by W. T. Hooper, 201 East Ontario St., 3 story and basement, 110 x 135 ft., brick, plain foundation, Parkside and North Aves. $225,000.

Ill., Chicago—Theatre and Apartment—A. Karzas, 6201 Cottage Grove Ave., having plans prepared by W. W. Ahlschlager, 65 East Huron St., 3 story and basement, 210 x 280 ft., brick and steel, Robey St. and Belle Plaine Ave. $800,000.

Ill., Chicago—Theatre, Store and Apartment—Lubiner & Trinz, 25 East Jackson Blvd., having plans prepared by Steinberg & Glube, 109 North Dearborn St., and takes bids about Aug. 15, 3 story and basement, 140 x 225 ft., brick and steel, plain foundation, Madison St.

Ill., Evanston—Office—N. Nazareth, c/o Morison & Wallace, 64 West Randolph St., Chicago, having plans prepared, 4 story and basement, 50 x 100 ft., brick, steel and terra cotta, 1726 Sherman St. $250,000.

Ill., Glencoe—Club—Illinois Golf Club, having plans prepared by W. W. Ahlschlager, 65 East Huron St., Chicago, 2 story and basement, steel, plain foundation. $200,000.

Ill., Joliet — Church and Community House—First Baptist Church, 1508 East Washington St., having plans prepared by Morison & Wallace, 64 West Randolph St., Chicago, 2 and 3 story and basement, brick, plain foundation, Eastern and Clinton Sts. $200,000.

Ill., Joliet—Theatre and Office—Royal Theatre Corp., having plans prepared by C. W. and G. L. Rapp, 190 North State St., Chicago, 4 story and basement, 175 x 225 ft., brick and steel, plain foundation, Van Buren and Chicago Aves. $700,000.

Wis., Kenosha—Hotel—E. and F. Dayton, Orpheum Bldg., having plans prepared by Buemming & Guth, 521 Jackson St., Milwaukee, 7 story and basement, 42 x 100 ft., brick and concrete, plain foundation. $300,000.

Wis., Milwaukee — Home for Aged — Protestant Home for Aged, 503 Downer Ave., having plans prepared by Scott & Mayer, 214 Mason St., 3 story and basement, brick and concrete addition, plain foundation. $175,000.

Neb., Fremont—Church—Salem Lutheran Church, c/o D. W. Crouse, secy. Building Comn., 1226 North Main St., soon takes bids 1 story and basement, 66 x 126 ft., brick, C St. and Military Ave. $150,000. A. F. Gauger, 604 Exch. Bank Bldg., St. Paul, Minn., archt.

Neb., Omaha — Community Center — Young Mens and Young Womens Hebrew Assn., c/o H. A. Lapidus, 2205 South 32nd St., plans 3 story and basement, 67 x 120 ft., rein.-con., 18th and Dodge Sts. $250,000. Engineer and architect not selected.

Mo., Milan—Court House—Sullivan Co. plans election soon $150,000 bonds, 3 story and basement.

Mo., St. Louis — Commercial — A. Von Hoffman, 101 South 9th St., soon takes bids 7 story and basement, 127 x 145 ft. commercial building 9th and Spruce Sts., and 5 story and basement commercial building 11th St. and Clark Ave., both rein.-con., brick and steel. E. Preisler, Title Guaranty Bldg., archt.

Mo., St. Louis—Club and Dormitory—Queens Daughters, 3730 Lindell Blvd., having preliminary plans prepared 4 story and basement, brick and stone, Lindell Blvd. $150,000. Private plans.

Mo., St. Louis—Exchange—Southwestern Bell Telephone Co., Bway. and Locust St., having preliminary plans prepared 2 story and basement, (equal in height to 7 story), 156 x 200 ft., rein.-con., brick and stone, Grand Blvd. and Botanical Ave. $2,000,000. Private plans.

Mo., Springfield—Hospital—Frisco Ry. Hospital Assn., Frisco Hospital, having preliminary plans prepared 3 story and basement, rein.-con., brick and stone. $500,000. Private plans.

Tex., Dallas — Medical Arts — Cary-Schneider Investment Co., Medical Arts Bldg., plans 19 story and basement, addition, Pacific and St. Paul Sts. $500,000. Engineer and architect not announced.

Tex., Greenville—Hotel—S. P. Beckham, having plans prepared by W. R. Ragsdale, Greenville, 3 story, concrete and brick. $150,000.

Tex., Houston—Bank and Office—Public Natl. Bank having plans prepared by J. R. Bailey, Houston, 6 story and basement, Main and Preston Sts. $300,000. Noted May 15.

Tex., Lubbock—Dormitory—See "Buildings—Industrial."

Wash., Seattle — Warehouse — Pacific Telephone & Telegraph Co., 1200 3rd St., takes bids about July 23, 3 story, 85 x 130 ft., brick and steel, Valley & Minor Sts. $150,000. Private plans.

Calif., Alhambra—Church—First Christian Church, O. C. Moomaw, pastor plans brick and stone, 4th St. $150,000. Engineer and architect not selected.

Calif., Fresno—Warehouse—Bekins Van & Storage Co., Mission and 13th Sts., San Francisco, having plans prepared, 7 story and basement, 60 x 100 ft., rein.-con., Monterey and Van Ness Sts. $150,000.

Calif., Los Angeles — Apartments — W. Bruce, archt., Chapman Bldg., prepared plans 12 story and basement, approximately 50 x 110 ft., rein.-con., Wayne Ave. $2,000,000. Owners name withheld.

Calif., Los Angeles—Hospital—Driver Hospital Assn., c/o A. C. Martin, archt., Higgins Bldg., having preliminary plans prepared, 12 story and basement, 160 x 180 ft., rein.-con., 3rd and Vermont Aves.

Calif., Martinez—Club House, etc.—W. H. Crim, Jr., and H. Murdock, archts., 425 Kearny St., San Francisco, preparing plans country club house, golf course, swimming tank, warehouse, etc., near Lake Orinda. $150,000. Owner's name withheld.

Calif., Oakland—College—Mills College, 59th Ave., having sketches made by W. H. Ratcliff, Merchants Trust Bldg., Berkeley, (1st unit), college buildings. $160,000. Noted Dec. 20.

Calif., San Francisco — Warehouse — Dohrmann Commercial Co., c/o Ashley & Evers, archts., 58 Sutter St., having preliminary plans prepared 4 story and basement, rein.-con., Bluxome and 5th Sts. $160,000.

Calif., San Jose—Club—Binder & Curtis, archts., 255½ South First St., soon takes bids 4 story and basement, rein.-con., 5th and San Fernando Sts., for Catholic Womens Community Center, E. G. Graham, secy., c/o architect. $150,000. Noted Jan. 3.

Que., Sherbrooke—Hospital—St. Vincent de Paul Hospital, having plans prepared by J. W. Gregoire, 86 Wellington St. N., 4 story, 48 x 100 ft., 48 x 120 ft., and 48 x 130 ft. additions. $400,000.

BIDS DESIRED

N. H., Manchester — Museum — Art Museum Trustees, c/o R. J. Peasley, chn., 638 River Rd., taking bids, 2 story, basement and sub-basement, 80 x 130 ft., rein.-con., brick and marble. To exceed $200,000. R. C. Sturgis, 120 Boylston St., Boston, Mass., archt. Noted June 12.

Mass., Arlington—Fire Station—Taking bids 2 story, basement and tower, 80 x 80 ft., brick, limestone and marble, Massachusetts Ave. and Bway., $150,000. McNaughton & Robinson, 46 Cornhill St., Boston, archts.

Mass., Boston—Garage—July 14 (extended date), by H. M. Haven, and L. T. Hopkins, Inc., archts., 11 Beacon St., 8 story and basement, 120 x 150 ft., Beach St. between Washington St. and Harrison Ave., for Jordan Marsh Co., Washington St. $500,000. Noted June 26.

Mass., Edgartown—School—Bd. Educ., taking bids Union School, 2 story and basement, 60 x 110 ft., brick and stone, near West Tisbury Rd., $150,000. A. Kellogg, 189 Franklin St., engr. Brainard & Leeds, 89 Franklin St., Boston, archts. Noted May 15.

Mass., Everett (Boston P. O.)—July 11, by Y. M. C. A., 32 Webster St. altering and constructing 2 story, basement and sub-basement, 48 x 120 ft., rein.-con. and brick, Church and Webster Sts. $200,000. Ritchie & Parsons & Taylor, 15 Ashburton Pl., Boston, archts.

Mass., North Reading—Inn—De Pesa & Lavaggi, Wayland, taking bids Palais Royal Motor Inn, 2 story, 85 x 200 ft., brick, here. F. A. Norcross, 46 Cornhill St., Boston, archt. $150,000. Noted June 19.

Mass., Somerville (Boston P. O.)—Y. M. C. A. taking bids altering and constructing 4 story, brick addition, Highland Ave. To exceed $150,000. W. Atherton, 15 Exchange St., Boston, archt.

N. Y., Greigsville—High School—Aug. 11, by Bd. Educ., Union Free School Dist. 7, towns of York and Leicester, Livingston Co., at Principal's Office, Greigsville, new high school here. F. S. Whitney, clk.; adv. E. N.-R. July 10.

Pa., Johnstown—Hospital—July 11, by Conemaugh Valley Memorial Hospital, and W. R. Myton, archt., 1st Natl. Bank, 5 story and basement, brick and hollow tile, Franklin St. $500,000.

Md., Ellicott City—High School—July 15, by Howard Co. Bd. Educ., 2 story, 100 x 106 ft., stone, plain foundation. $150,000. T. W. Pietsch, Amer. Bldg., and W. H. Emory, Jr., Munsey Bldg., associated archts.

O., Ashland—Armory—July 14, by State, c/o F. D. Henderson, Adjutant General, State House, Columbus, 2 story and basement, 103 x 109 ft., brick, steel and concrete. $150,000. H. O. Briggs, Columbus, archt.

O., Cleveland—Apartment—J. Narosmy, 13407 3rd Ave. E., taking bids 3 story and basement, brick, 1851 East 82nd St. $200,000. M. Weis, 617 Union Bldg., archt.

O., Cleveland — Office — July 15, by Walker & Weeks, archts., 1900 Euclid Ave., taking bids 4 story and basement, brick, steel and concrete, East 45th St., for McKinney Steel Co., c/o J. Blackwood, ch. engr., Perry-Payne Bldg. $200,000.

O., Cleveland Heights (Warrensville P. O.)—Apartment—S. Newman, 10718 Drexel Ave., Cleveland, taking bids 3 story and basement, 84 x 108 ft., brick, 2415 Overlook Rd., here. $150,000. A. F. Janowitz, 811 Prospect Ave., Cleveland, archt. Noted May 1.

O., Cleveland Heights (Warrenville P. O.)—Bank, Commercial and Apartment—H. Caplan, 3469 East 123 St., Cleveland, taking bids 3 story and basement, 60 x 130 ft., brick, Coventry and Hampshire Rds., here. $150,000. A. F. Janowitz, 811 Prospect Ave., Cleveland, archt.

Ind., Gary—Hotel—J. Lincoln, c/o H. Erickson, archt., City Hall, taking bids 3 story and basement, 63 x 125 ft., rein.-con., brick and steel, 5th St. $150,000. Noted June 26.

Mich., Detroit — Warehouse — Smith, Hinchman & Grylls, archts., 800 Marquette Bldg., taking bids 6 story and basement, rein.-con. and brick, plain foundation, Beaubien St., for J. L. Hudson Co., Farmer St. $200,000.

Mich., Owosso—Temple—G. W. Graves, archt., 203 John R St., Detroit, taking bids and opens same about July 10, 5 story and basement, 66 x 120 ft., rein.-con., brick, steel and stone, plain foundation, here, for Owosso Masonic Temple Assn.

Ill., Chicago — Hotel — T. R. Bishop, archt., 35 South Dearborn St., taking bids 3 story and basement, 100 x 135 ft., brick and steel, plain foundation, 51st St. and Dorchester Ave., for C. L. Anderson, c/o architect. $300,000.

Ill., Chicago—Store and Apartment—July 15, by Mills & Sons, 3656 West North Ave., and S. M. Eichberg, archt., 64 West Randolph St., 3 story and basement, 105 x 125 ft., brick and steel, North and Central Aves., $300,000.

Ill., Chicago—Store, Office and Garage—July 15, by D. S. Klafter, archt., 64 West Randolph St., 6 story and basement, 79 x 101 ft., and 12 story and basement, 75 x 101 ft., rein.-con. and brick, wood pile foundations, Van Buren and Franklin Sts.,

Buildings—Commercial (Continued)

for Franklin Street Building Corp., 1315 West Congress St. $850,000.

Ill., Chicago—Storage and Warehouse—July 15, by G. S. Kingsley, archt., 109 North Dearborn St., 6 story and basement, 75 x 150 ft., rein.-con. and brick, 4904-4910 Madison St., for Blakeslee Warehouse Corp., 4860 West Madison St. $175,000.

Ill., Decatur — Hospital — July 21, by Brooks, Bramhall & Dague, archts., New Natl. Bank, 2 story and basement, 40 x 140 ft., rein.-con., brick and stone addition, for Wabash Railroad Co., Railway Exch., St. Louis, Mo. $150,000.

Ill., Decatur — School — July 26, by Aschauer & Waggoner, archts., 228 Citizens Bldg., 2 story and basement, 101 x 150 ft., rein.-con., brick and stone, for St. James Catholic Parish, c/o F. J. Ostandorf, pastor, 742 East Clay St. $150,000.

Ill., East St. Louis—Lodge—July 10, by Barnett-Haynes & Barnett, archts., Century Bldg., St. Louis, Mo., 4 story and basement, 115 x 162 ft., rein.-con., brick and stone, State St., here, for Knights of Columbus, 3549 Olive St., St. Louis, Mo. $350,000. Noted Sept. 13.

Wis., Milwaukee—Business and Apartment—July 18, by Leenhouts & Guthrie, archts., 424 Jefferson St., 4 and 1 story, 84 x 127 ft., and 100 x 217 ft., brick and concrete, 27th and Wells Sts., for Mal Investment Co., 376 East Water St. $300,000.

Ia., Burlington—School—July 15, by D. S. Cooper, secy. Bd. Educ., altering and building 2 story and basement, rein.-con., brick and stone addition. $250,000. Temple & Burrows, 63 Davenport Savings Bank Bldg., Davenport, archt.

Ia., Iowa City—High School—July 15, by State Bd. Educ., W. H. Gemmill, secy., 2 story and basement, rein.-con., brick and stone, State University campus. $175,000. Proudfoot, Bird & Rawson, 810 Hubbell Bldg., Des Moines, archts.

Tex., Texarkana — Municipal — July 16, by W. H. James, city secy., rein.-con., brick and stone. $197,000. Witt, Seibert & Halsey, Texarkana, archts.

Colo., Canon City—High School—July 24, by Secretary School Bd., and E. Groves, archt., Foster Bldg., Denver, 3 story, 145 x 208 ft., steel and brick. $200,000. Noted Apr. 3.

Colo., Denver—High School—July 16, by W. A. E. Stutt, secy. Bd. Educ., School Administration Bldg., 3 story, 250 x 450 ft., rein.-con., brick and steel, concrete pile foundation, between West 9th, West 10th, Elati and Fox Sts. $1,000,000. W. H. Edwards, 1172 Stout St., archt. Noted Jan. 31.

BIDS RECEIVED

Pa., Rosedale—High School—Muhlenberg Twp., School Dist., June 24, general contract 2 story and basement, 55 x 120 ft., 43 x 93 ft., and 43 x 93 ft., from G. Meinholz, 114 North 11th St., Reading, $129,000. Noted June 12.

Ia., Indianola — High School — Q. D. Proudfoot, secy. Bd. Educ., June 20, general contract 2 story and basement, rein.-con., brick, tile and stone, from Grahn & Bathurst, 126 South 9th St., Minneapolis, Minn. $120,700. Noted June 12.

Mo., St. Louis—School—Bd. Educ., general contract 2 story and basement, rein.-con., brick and stone, from Pelligreen Constr. Co., 816 Pine St., $170,857.

CONTRACTS AWARDED

Mass., Boston—Office—Banking District Trust, 32 Federal St., 6 story 80 x 85 ft., to J. M. and C. J. Buckley Co., 164 Federal St. Archts. est. $225,000.

Mass., Fairhaven—Church—St. Josephs Roman Catholic Church, for church, Adams and Spring Sts., to W. Young, 122 Union St., New Bedford. Archts. est. $150,000.

Mass., Revere—School—School Com., 2 story, 113 x 170 ft., Junior high school, Ward 2, to T. O'Connor & Co., 218 Main St., Cambridge, $165,000. Noted June 19.

Mass., Somerville (Boston P. O.)—Courthouse—Comrs. Middlesex Co., East Cambridge, 2 story and basement, 70 x 75 ft., brick and stone, Walnut St., to G. Ferullo Co., 31 North Sq., Boston, archts. est. $150,000. Noted June 5.

Mass., Wareham—Bank—Wareham Savings Bank, new building, to G. Howard & Son, 196 Main St., Brockton. Archts. est. about $150,000.

R. I., Providence—Office—L. R. Gardner, 50 Fountain St., 8 story, brick and concrete, plain foundation, Fountain and Union Sts., to Turner Constr. Co., 178 Tremont St., Boston, Mass.

Conn., Stratford (Bridgeport P. O.) — High School—School Bd., 2 story and basement, 200 x 200 ft., brick, plain foundation, North Parade St., to T. J. Pardy Constr. Co., 1481 Seaview St., Bridgeport, $276,952. Noted June 12.

N. Y., Canton—School—Bd. Educ., new school, general contract to C. J. Burgess Co., Inc., Foster Bldg., Utica, $141,000. Noted June 12.

N. Y., New York—Apartment—Mosholu Parkway North, Inc., c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 6 story, brick, steel and stone, plain foundation, 139 West 16th St., by day labor. $200,000.

N. J., Asbury Park—School—Neptune Twp. School Bd., 16 room, brick and steel, general contract, to H. M. Steelman, 1212 5th Ave., $160,000; heating, to A. T. Van Cleve, 108 South Main St., $27,943.

N. J., Atlantic City—Clubhouse—Elks Lodge 276, 4 and 5 story and basement, 75 x 150 ft., brick and steel, Virginia Ave., to W. P. Beaumont, 180 Tennessee Ave., $225,000. Noted June 19.

Pa., Allentown—Exchange—J. T. Windrim, archt., Commonwealth Bldg., Phila., 3 story and basement, 91 x 117 ft., brick and steel, plain foundation, Hall and Chestnut Sts., here, to F. M. Harris, 1520 Parrish St., Phila., for Bell Telephone Co., 17th and Parkway Sts., Phila. $300,000. Noted May 22.

Pa., Bethlehem—Union Station—Lehigh Valley R.R., 143 Liberty St., New York City, and Phila. & Reading R.R., 5th and Market Sts., Phila., general contract 1 story, 105 x 136 ft., brick and steel, plain foundation, here, to C. McCaul Co., 1713 Sansom St., Phila. Noted May 1.

Pa., Bridgeville — Warehouse — C. P. Meyer, Washington St., will build 3 story and basement, 62 x 200 ft., brick, steel and rein.-con., Railroad St. Work will be done by separate contracts. $150,000. Private plans.

Pa., Phila. — Church — St. Carthage Roman Catholic Church, D. J. Dougherty, pastor, 1723 Race St., 1 story and basement, 60 x 125 ft., stone and steel, plain foundation, Cobbs Creek Blvd. and Cedar St., to B. J. McKenna, 1713 Moravian St. Archts. est. $200,000.

Pa., Phila.—Theatre and Store—Olney Ave. Theatre Co., c/o Hodgins & Hill, archts., 130 South 15th St., 2 story and basement, 112 x 220 ft., brick and steel, plain foundation, 5th and Olney Sts., to G. Kessler Constr. Co., 1733 Marvine St. Archts. est. $250,000.

Pa., Phila. — Warehouse — Terminal Transfer Co., Delaware Ave. and Front St., 8 story and basement, 102 x 167 ft., rein.-con. and brick addition, wood pile foundation, Broad and Beach St., to Turner Constr. Co., 1713 Sansom St., $300,000.

Pa., Sharon—Lodge—L. O. O. M. No. 282, general contract 2 story and basement, 88 x 220 ft., State and South Main Sts., to A. Wishart & Son, Sharon. Archts. est. $175,000. Noted Aug. 23.

Pa., Uniontown—Office—Citizens Title & Trust Co. 7 story and basement, rein.-con., brick and steel, plain foundation, West Main St., to Mellon-Stuart Co., Uniontown. Archts. est. approximately $600,000. Noted May 15.

Pa., Wilson—High School—School Bd., 2 story and basement, 136 x 202 ft., brick and steel, plain foundation, to Butz & Glader Co., Allentown, $130,000. Noted June 5.

W. Va., Parkersburg—Hotel—E. A. Brast, Chancellor Hotel, 6 story and basement, 44 x 171 ft., steel, brick and tile addition, to Plat & Vogul, Parkersburg. Archts. est. $175,000. Noted May 15.

W. Va., Williamson—Hotel—Chamber of Commerce, general contract 5 story and basement, 100 x 100 ft., steel, brick and tile, to Payne Constr. Co., Ashland, Ky. Archts. est. $200,000. Noted Dec. 20.

Tenn., Nashville—Memorial Hall and Chapel—Bd. Trustees Vanderbilt University, general contract brick and stone, on campus, to Foster-Creighton, 4th and 1st Natl. Bank Bldg., approximately $300,000. Noted June 19.

O., Cleveland—Church, Gymnasium and Sunday School—First Evangelical Church, J. C. Hansen, pastor, 841 Thornhill Dr., 1 and 2 story, brick and steel, Arlington Ave., to R. Hansen, 1413 East 95th St. Archts. est. $200,000. Noted May 1.

O., Cleveland — School — Holy Trinity Church, J. M. Trapp, pastor, 7211 Woodland Ave., 2 story and basement, 60 x 160 ft., concrete, brick and steel, Woodland Ave., to Gries, O'Connell & Bauerle, 2641 East 115th St. Archts. est. $150,000. Noted Apr. 24.

O., Sylvania—High School—Bd. Educ., 3 story and basement, 108 x 169 ft., rein.-con. and brick, plain foundation, to Holloway & Berkebile, Delta, $120,462. Noted June 12.

Mich., Detroit—Lodge—Wayne Assembly Building Assn., c/o B. C. Wetzel & Co., archts., 2317 Dime Bank Bldg., general contract 3 story and basement, rein.-con., brick and steel, plain foundation, McDougal Ave., to Corrick Bros., 507 Owen Bldg., about $250,000.

Mich., Detroit—School—Bd. Educ., 1354 Bway. Ave., 2 story and basement, rein.-con., brick and steel, plain foundation, Cameron Ave., to Martin & Kingsman Co., 606 Woodward Ave., $547,[illegible]. Noted June 26.

Mich., Detroit—School—Bd. Educ., 1354 Bway. Ave., 2 story and basement, 82 x 171 ft., and 31 x 64 ft., rein.-con., brick and steel addition to McCulloch School, Hazelridge Ave., to M. A. Mahoney, 400 Penobscot Bldg., 189,000. Noted July 3.

Mich., Detroit — Theatre — Temple Beth El, 3424 Woodward Ave., rebuilding and enlarging present temple into modern 2 story and basement, rein.-con., brick, steel and stone theatre, plain foundation, Woodward Ave., to N. M. Lerner, 322 West Fort St., about $300,000.

Ill., Rogers Park (Chicago P. O.)—High School — St. Scholastica Academy, 7430 Ridge Blvd., 3 story and basement, brick and concrete, plain foundtion to M. Raven, 111 West Washington St. Archts. est. $400,000. Noted June 19.

Wis., Kenosha—High School—Bd. Educ., E. F. Powers, secy., 3 story and basement, 250 x 250 ft., brick, tile and concrete, plain foundation, to Madsen & Petersen, 646 Builders Exch., Minneapolis, Minn., $837,101. Noted July 3.

Wis., Oshkosh—Church—First Methodist Congregation, C. Smith, pastor, 105 Jefferson Ave., rebuilding 2 and 3 story, 60 x 122 ft., brick and stone, plain foundation, to C. R. Meyer & Sons, 50 State St. Archts. est. $150,000. Noted April 24.

Wis., Prairie du Chien — Chapel — Campion College, 2 story, 60 x 60 x 150 ft., brick and stone, plain foundation, to T. F. Imbs, 507 Wainwright Bldg., St. Louis, Mo. Archts. est. $150,000.

Mo., St. Louis—Garage—G. Seeley, 4914 Delmar Blvd., will build 4 story and basement, 100 x 152 ft., rein.-con., brick and stone, Walnut and 11th Sts., by day labor. $300,000. Private plans. Noted Apr. 10.

Mo., St. Louis—School—Bd. Educ., general contract 2 story and basement, rein.-con., brick and stone, Euclid St., to W. MacDonald Constr. Co., Odd Fellows Bldg., $154,428. Noted June 12.

Tex., Ft. Worth — Hospital — Methodist Hospital, general contract 8 story, [illegible] shaped, concrete, brick, etc., to Butcher & Sweeney, 806 Taylor St. $334,000. Foundations completed, etc.

Tex., Lubbock — Administration, etc. — Texas Technological College administration, to Ramey Bros., City Natl. Bank Bldg., El Paso, $371,752; president's residence, to J. B. Macey, Lubbock, $26,752.

Wash., Seattle—Chamber of Commerce—Shack, Young & Myers, archts., Central Bldg., and H. Thomas, archt., Arcade Bldg., 2 story, rein.-con., 3rd and Columbia Sts., to Rounds-Clist Co., Walker Bldg., for Chamber of Commerce. $167,619. Noted Mar. 6.

Colo., Denver — Hotel — Colburn Hotel Co., Inc., 10th Ave. and Logan Sts., 10 story, 45 x 106 ft., brick, stone and rein.-con., 10th Ave. and Grant St., to G. M. Tamblyn, 16 West 13th Ave., $500,000.

Calif., Los Angeles—Hospital—Santa Fe Hospital Assn., 610 South St. Louis St., 4 story and basement, rein.-con., to Sumner-Sollitt Constr. Co., Delta Bldg., $275,000.

Federal Government Work

PROPOSED WORKS

Ky., Fords Ferry—Clam Shell Bucket—U. S. Engineer Office, P. O. Box 72, Louisville, plans to purchase one 2 yd. rehandling type clam shell bucket for Dam 50, Ohio River, here.

Ky., Fords Ferry—Water Pump—U. S. Engineer Office, P. O. Box 72, plans to purchase one 6 in. and two 4 in. suction steam driven direct connected centrifugal water pumps.

Ill., Brookport—U. S. Engineer Office, P. O. Box 72, Louisville, Ky., plans to purchase 285,000 ft. yellow pine for Dam 52, Ohio River.

BIDS DESIRED

R. I., Providence—Dredging—July 18, by U. S. Engineer Office, Providence, dredging in channel at entrance of Nantucket Harbor, Mass.; adv. E. N.-R. July 10.

Ala., Florence—Steel Roof Trusses—Aug. 1, by U. S. Engineer Office, structural steel roof trusses for power house at Wilson Dam, Tennessee River; adv. E. N.-R. July 10.

Ky., Louisville—Dipper Dredges—Aug. 17, by U. S. Engineer Office, three dipper dredges; adv. E. N.-R. July 10.

Ky., Louisville—Steel—July 22, by U. S. Engineer Office, P. O. Box 72, furnishing 88 tons c.i. and 72 tons iron and steel for river wall valves, etc. for Dams 49 and 50, Ohio River.

South Dakota—Road—July 16, by Bureau Pub. Rds., Custom House, Denver,

Federal Government Work (Continued)

Colo., grading 3 mi. Deadwood Hot Springs Natl. Forest Rd., Pennington Co., here, 39,000 cu.yd. earth and 15,000 cu.yd. rock excav. J. W. Johnson, Denver, dist. engr.

Wyoming—Road—July 15, by Bureau Pub. Rds., Denver, Colo., grading 3.38 mi. Encampment-Slater Natl. Forest Rd., Carbon Co., here, 16,000 cu.yd. earth and 8,400 cu.yd. rock excav. J. W. Johnson, Denver, dist. engr.

Tex., Galveston—Aug. 4, by U. S. Engineer, dredging Houston Ship Channel; adv. E. N.-R. July 10.

BIDS RECEIVED

Pa., Phila.—Dredging—U. S. Engineer Office War Dept., Wash., D. C., dredging 1,268,400 cu.yd. in Delaware River at Horseshoe Bend, near here, from Amer. Dredging Co., Mariner & Merchant Bldg., $0.16 per cu.yd.

W. Va., Huntington—Steel Boats—U. S. Engineer, furnishing 2 steel hull maneuver boats for Ohio River Dams, from Charles Ward Eng. Wks., Charleston, $33,050. Noted June 5.

Arizona—E. S. Wheeler, dist. engr. Bureau Pub. Rds., U. S. Dept. Agriculture, 242 West Washington St., Phoenix, improving 17.75 mi. Clifton-Springerville Highway, Greenlee Co., from W. M. Tenney, Jr., and J. Hamblin, Alpine St., St. Johns, 9,676 cu.yd. rock excav., $1.56 per cu.yd., 59,604 cu.yd. common excav. $0.45, total $90,728. Engrs. est. $85,023.

CONTRACTS AWARDED

Pa., Pittsburgh—Dump Scows—U. S. Engineer Office, War Dept., Wash., D. C., 2 steel dump scows to Amer. Bridge Co., Frick Bldg., $36,500. Noted May 22.

R. I., Newport—Roof—Spec. 4994—Bureau Yards & Docks, Navy Dept., Wash., D. C., roof on seamanship buildings, at Naval Training Sta., here, to Rowley Constr. Co., 260 Central Ave., Pawtucket, $11,978 (100 days). Noted July 3.

N. Y., New York—Building—Spec. 4970—Bureau Yards & Docks, Navy Dept., Wash., D. C., remodeling buildings, at Navy Yard, here, to Charles Meads & Co., 217 West 14th St., $123,900 (120 days). Noted July 3.

Md., Baltimore—Dredging—U. S. Engineer, Baltimore, dredging in Baltimore Harbor and Channels, Sect. 1, to Sanford & Brooks Co., Commerce and Water Sts. $77,382, Sect. 2 to Arundel Corp., Pier 2, Pratt St., $45,926. Noted May 29.

D. C., Bellevue—Pier—Spec. 4983—Bureau Yards & Docks Navy Dept., Wash., D. C., repairs to wood pier, here, to C. A. Hofferberth Constr. Co., Woodward Bldg., Wash., D. C., $6,149 (120 days).

Va., Norfolk—Alterations—Spec. 4951—Bureau Yards & Docks, Navy Dept., Wash., D. C., alterations to Maine Bldg., at Naval Hospital, here, to H. M. Lucas, 115 Bruce St., Portsmouth, $41,966. Noted July 3.

Va., Norfolk—Roads and Walks—Spec. 4996—Bureau Yards & Docks, Navy Dept., Wash., D. C., roads, walks and grading, at Naval Hospital, here, to W. W. Thompson, 857 West 46th St., $18,161 (100 days). Noted July 3.

Ala., Florence—Screens, etc.—U. S. Engineer Office, Florence, furnishing screens, head gates, roller trains, etc., for power house at Wilson Dam, Tennessee River, here, Lot 1, to Virginia Bridge & Iron Co., Roanoke, Va., $59,293; Lot 2, to Hardie Tynes Mfg. Co., 800 North 28th St., Birmingham, $15,983. Noted May 29.

Mich., Detroit—Dredging—U. S. Engineer, Detroit, dredging in Russell Island Shoal, St. Clair River, 172,000 cu.yd. excav., etc., to Dunbar & Sullivan Dredging Co., 2212 Dime Bank Bldg., $61,404. Noted June 19.

Neb., Fort Cook—Air Mail Hangar, etc.—U. S. Engineer, air mail hangar, office and radio station building, to Jones Eng. Co., 703 Bradeis Theatre Bldg., Omaha.

Mo., Boonville—Dike—U. S. Engineers, Kansas City, will build 2,400 lin.ft. clump dike in Missouri River at Diana Bend, 5 mi. below here, by day labor. Noted June 12.

Tex., Galveston—Radio Compass Station—Spec. 4974—Bureau Yards & Docks, Navy Dept., Wash., D. C., radio compass station and quarters, etc., here, to J. W. Zempter, Galveston, $7,350 (120 days). Noted June 26.

California—Road—C. H. Purcell, dist. engr. Bureau Pub. Rds., U. S. Dept. Agriculture, 316 New Post Office Bldg., Portland, Ore., constructing or improving 12.1 mi. Grants Pass-Crescent City Highway, Elk Creek-Patrick Creek Sect., Del Norte Co., to Joplin & Eldon, Portland, Ore., 400,000 cu.yd. excav., $0.80, finishing 12.1 mi. road bed $500 per mi. etc., total $413,009.

Unclassified

PROPOSED WORK

Bulkheads—Bridgeport, Conn.—City Engineering Dept. plans bulkheads at Pleasure Beach Park to check tide action. $25,000. J. A. McElroy, city engr.

Gas Pipe—Elwyn, Pa.—See "Streets and Roads."

Stadium — Paducah, Ky. — Bd. Educ. having plans prepared by D. H. Jamieson, Paducah, steel and rein.-con. stadium. $40,000.

Electric Distribution—Mountain Grove, Mo. — E. H. Williams, takes bids about Aug. 1, 50 mi. distribution lines and completely equipped power plant, 500-800 hp., etc. $125,000. Alexander Eng. Co., 517 Woodruff Bldg., Springfield, engrs. Noted May 22.

Fire Alarm System—Glendale, Calif.—Plans complete fire alarm system. $25,000. V. B. Stone, city mgr.

Street Lighting System — Los Angeles, Calif. — Made plans 74 c.l. standards in Washington St. between Vermont Ave. and Hobart Blvd. and 92 c.l. standards in Washington St. between 8th Ave. and Rimpau Blvd., 340 pressed steel electroliers, complete, in Sunset Blvd. between North Bway. and San Born Ave.

Golf Course and Swimming Tank — Martinez, Calif.—See "Buildings."

Subway — Sacramento, Calif. — State Highway Comn., Sacramento, had preliminary plans prepared two subways under 12th St. To exceed $25,000. Western Pacific R.R., and Sacramento Northern R.R., Mills Bldg., San Francisco, to pay ⅓ of cost. R. M. Morton, Forum Bldg., Sacramento, state hy. engr.

Tennis Court Pavilion, etc.—San Francisco, Calif.—Bd. of Park Comn., having plans prepared by Masten & Hurd, 278 Post St., tennis court and basket ball pavilions in Golden Gate Park, for City and San Francisco Co. $150,000.

Subway—Stockton, Calif.—Voted $100,000 bonds constructing subway in Miner Ave. W. B. Hogan, city engr. Noted May 22.

BIDS DESIRED

Retaining Wall, etc.—Phila., Pa.—See "Bridges."

Port Development—St. Petersburg, Pa.—July 14, by City Comn., port development, $500,000. E. Kitchen, St. Petersburg, engr. Noted May 15.

Foundation—Chicago, Ill.—Lake Shore-Elm St. Corp., c/o R. DeGolyer, archt., 7 South Dearborn St., taking bids foundation for 19 story and basement, 64 x 130 ft., steel apartment hotel, wood pile foundation, Elm St. and Lake Shore Dr. Total cost $2,000,000. Bids on superstructure will be taken later.

Underground Electric Distribution System, etc.—Willmar, Minn.—July 14, by H. Gunderson, city clk., underground electric distribution system, $40,000; installing underground steam mains and returns in downtown dist., incl. manholes, etc., $40,000. Toltz, King & Day, 1410 Pioneer Bldg., St. Paul, engrs.

Bushing Insulators—Melbourne, Victoria, Australia—Sept. 15, by R. Liddlelow, secy. State Electricity Comn. of Victoria, bushing insulators for 6,000 volt trifurcating boxes, Spec. 24/38, for Morwell Power Scheme; adv. E. N.-R. July 10.

BIDS RECEIVED

Heating System—Brooklyn, N. Y.—W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord St., heating system in P. S. 97, from Gillis & Gheoghegan, Inc., 537 West Bway., New York, $62,344, in P. S. 220, from Alvor & Swift, Grand Central Terminal, New York, $129,000.

Plumbing, Heating, etc. — Brooklyn, N. Y.—W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord St., June 30, (1) plumbing (2) heating (3) electric wiring in connection with mechanical equipment in (a) P. S. 217, Newkirk Ave. (b) P. S. 216, Ave. X, (c) P. S. 215, Ave. S, (d) P. S. 214, Pitken Ave. (e) P. S. 212 (f) P. S. 180, 16th Ave. (g) P. S. 28, Fulton St., from D. Brandt Inc., 467 East 155th St., New York, (1a) $44,500 (1b) $44,457, (1c) $45,000 (1d) $44,612 (1e) $45,000; from C. F. Mentzinger Son, 354 Bway., New York, (1f) $49,600; from E. Harley, (1g) $22,258; from Almirall & Co., 1 Dominick St., (2a) $94,900 (2b) $94,768 (2c) $95,249 (2d) $95,248 (2e) $94,337 (2f) $130,713; from Austin Eng. Co., 121 West 42nd St., New York, (2g) $71,900; from P. J. Koegan, (3a) $30,850 (3c) $29,400; from T. F. Jackson, 99 John St., New York, (3b) $29,430; from Croker Electric Co., 29 West 30th St., New York, (3e) $28,750; from E. J. Electric Installation Co., 155 East 44th St., New York, (3g) $22,495; from General Electric Co., 120 Bway., New York, (3d) $28,910 (3f) $31,900. Noted June 12.

Heating System—Long Island City, N. Y.—W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord St., Brooklyn, July 2, heating system in P. S. 126, Queens Boro., from Alvor & Swift, Grand Central Terminal, New York, $129,000.

Plumbing, Heating, etc. — Long Island City, N. Y.—W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord St., Brooklyn, June 30, (1) plumbing (2) heating (3) electric wiring, in connection with mechanical equipment for P. S. 125, Nelson Ave., here, from J. E. Kahn, Inc., 224 West 20th St., New York, (1) $49,860; from Almirall & Co., 1 Dominick St., New York, (2) $129,628; from General Electric Co., 120 Bway., New York, (3) $31,900. Noted June 12.

Pier—New York, N. Y.—J. H. Delaney, comr. Docks, Pier A, foot of Battery Pl., North River, building Pier 2, etc., in North River, Contr. 1838, from G. N. Spearin, Inc., 90 West St., $301,750. Noted June 26.

Plumbing, Heating, etc.—New York, N. Y.—W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord St., Brooklyn, June 30, (1) plumbing (2) heating (3) electric wiring, in connection with mechanical equipment for P. S. 77, Ward Ave., Bronx Boro., from D. Brandt, Inc., 467 East 155th St., (1) $44,997; from Almirall & Co., Inc., 1 Dominick St., (2) $94,344; from Hatzel & Buehler, 373 4th Ave., (3) $23,700. Noted June 12.

Asphalt Plant — Detroit, Mich. — Dept. Pub. Wks., City Hall, stationary asphalt plant, capacity 6,000 sq.yd. 2 in. topping per 10 hour day, from Barber Asphalt Co., 905 Majestic Bldg., $139,850. Noted Mar. 13.

Tunnel—Seattle, Wash.—Bd. Pub. Wks., July 1, 1st Avenue tunnel, from Puget Sound Bridge & Dredging Co., Central Bldg., $138,720. Noted June 26.

CONTRACTS AWARDED

Dock — Hayne, S. C. — See "Industrial Works."

Transmission Line—Wisconsin—Wood Co. Electric Light & Power Co., Grand Ave., Wisconsin Rapids, will build 45 mi. high power transmission line from Wisconsin Rapids to Rudolph and other points, by day labor. Private plans. C. B. Miller, gen. mgr. taking bids line material, wood poles, cross arms, transformers, etc.

Foundations—Dallas, Tex.—See "Excavation, Drainage, Irrigation."

Material and Equipment

BIDS DESIRED

Fuel Oil—Boston, Mass.—July 14, by School Com., 15 Beacon St., 849,000 gals. heavy fuel oil. W. T. Keough, bus. agt.

Asphalt Sand and Cement—New York, N. Y.—July 16, by J. Miller, pres. Manhattan Boro., Municipal Bldg., 10,000 cu. yd. asphalt sand, and 10,000 bags portland cement.

Gravel—Baton Rouge, La.—July 15, by State My. Dept., Reymond Bldg., 5,048 cu. yd. washed gravel. J. M. Fourmy, ch. engr.

Shovels—Columbus, O.—W. S. Harman and associates, Hartman Bldg., taking bids 2 steam shovels, large capacity.

Line Material, etc. — Wisconsin — See "Contract Awarded" under "Unclassified."

Steel Piling—Wis., Friendship—See Contracts Awarded under "Buildings—Industrial."

Electric Light Standards, etc.—Dallas, Tex.—E. A. Kingsley, city engr., taking bids 130 electric light standards and cables, for city. $36,600.

BIDS RECEIVED

Inorganic Dust—New York, N. Y.—J. Miller, pres. Manhattan Boro. Municipal Bldg., 3,000 tons inorganic dust, from New York Trap Rock Corp., 101 Park Ave., $22,170. Noted June 26.

Road Oil—Louisville, Ky.—Jefferson Co. from Southern Oil & Tar Co., Clay St., 350,000 gal. medium coal tar road oil at $12.15 per gal., 40,000 gal. cold patch oil $17.75.

Road Oil—Wauwatosa, Wis.—Bd. Pub. Wks., June 27, 40,000 gal. road oil, from Home Service Oil Co., LaPorte, Ind., $0.075 per gal.

CONTRACTS AWARDED

Underground Cable—Boston, Mass.—Fire Dept., underground cable, to Connor Electric Co., Inc., 12 Pearl St., 9,375 ft. 91 conductor $0.165 per ft., 16,095 ft. 80 conductor $0.1375, 11,517 ft. 61 conductor $0.125, 15,572 ft. 37 conductor $0.11, 5,425 ft. 19 conductor $0.975, total $9,442.

Posts and Brackets—Milwaukee, Wis.—Central Bd. Purchases, City Hall, 628 concrete posts and brackets, to Massey Concrete Products Co., Port Washington Rd., $21,987. Noted June 26.

OFFICIAL PROPOSALS

Bids: July 28.

Highway Bridge

Trenton, N. J.

NOTICE IS HEREBY GIVEN that sealed bids will be received by the State Highway Commission of New Jersey for the following:

Construction of two concrete encased plate girder spans, 94 ft. long, supported on concrete pier and abutments, with a 30 ft. clear roadway and one 6 ft. clear side extension; including reinforced concrete roadway pavement, asphalt block paving, waterproofing and railing; also two bituminous macadam approaches on macadam foundation, one approximately 312 ft. in length and the other 450 ft. in length, both varying in width from 30 ft. to 18 ft. with shoulders and side extensions, including cinder embankment, excavation, grading, adjusting of present bridge for maintaining traffic and its final removal, and filling of portion of canal bed, for bridge over Pompton River, M. P. 9.1 on State Highway Route No. 8, Section No. 1, in the Counties of Passaic and Morris.

Bids will be received at the office of the State Highway Commission, 9th floor, Broad Street Bank Building, Trenton, New Jersey, on Monday, July 28, 1924, at eleven o'clock (11:00 a.m.) Standard Time, and opened and read immediately thereafter.

Drawings, specifications and form of bid, contract and bond for the proposed work are on file in the office of the State Highway Department, Trenton, New Jersey, and may be inspected by prospective bidders. Plans will be furnished on a deposit of Ten Dollars ($10.00) upon application to the State Highway Department, 9th floor, Broad Street Bank Building, Trenton, New Jersey. Bids must be made on the standard proposal forms in the manner designated in the specifications and must be enclosed in sealed special addressed envelopes bearing the name and address of bidder and name and number of the bridge on the outside, and must be accompanied by a certified check drawn to the order of the Treasurer of the State of New Jersey for not less than ten per cent (10%) of the amount of the bid, provided that the said certified check shall not be less than $500 nor more than $20,000 and be delivered at the above place on or before the hour named. Copies of the standard proposal form and special addressed envelopes will be furnished on application. Bids not enclosed in special addressed envelopes will be considered informal and will not be opened.

Each bidder must accompany his bid with a certificate from a surety company duly authorized to do business in this state, stating that such a surety company will provide said bidder with a bond in such sum as is required in and in accordance with the provisions of the said specifications, conditioned for the faithful performance of the provisions of the contract and specifications. Each bidder must also accompany his bid with a Statement of Equipment properly filled out.

By order of the State Highway Commission.

A. LEE GROVER.
Secretary.

Bids: July 25.

Street Improvement

Hudson, N. Y.

Sealed proposals will be received by the undersigned until 2 p.m. Friday, July 25, 1924, for the improvement of certain streets in the City of Hudson, N. Y., in accordance with plans and specifications on file in the Office of the City Engineer.

The approximate quantities are as follows:

14,000 sq.yd. Topeka wearing surface on a 5 inch plain concrete base.

12,000 sq.yd. plain 7 inch concrete pavement.

Each proposal for this work must be accompanied by a certified check for $1,000 payable to the Commission of Public Works.

The right is reserved to reject any or all bids.

COMMISSION OF PUBLIC WORKS,
M. J. O'HARA,
City Engineer.

Bids: July 22.

Highway Construction

Baltimore, Md.

Sealed Proposals for building seven sections of State Highway, as follows:

CARROLL COUNTY—Cont. Cl-51—One section of state highway from Mt. Airy toward Taylorsville for a distance of 1.5 miles (concrete).

MONTGOMERY CO.—Cont. M-51—One section of state highway between Lee's corner and Beallsville for a distance of 1.53 miles (concrete).

ST. MARY'S CO.—Cont. Sm-29—One section of state highway from Clements toward Leonardtown for a distance of 1.0 mile (gravel).

QUEEN ANNE'S CO.—Cont. Q-31—One section of state highway from Stevensville toward Chester for a distance of 1.0 mile (concrete).

ALLEGANY CO.—Cont. A-31—One section of state highway along Main Street, Lonaconing, for a distance of 0.63 mile (concrete).

ALLEGANY CO.—Cont. A-30—One section of state highway along the Borden Road, Frostburg, from Union Street to the Town Limits, a distance of 0.38 mile (concrete).

WICOMICO CO.—Cont. Wi-28—One section of state highway through Mardella and from the state road to Willards Station, a distance of 0.73 mile (concrete).

will be received by the State Roads Commission, at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 22nd day of July, 1924, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans will be furnished by the Commission upon application and cash payment of $1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred ($500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond, and comply with the Acts of the General Assembly of Maryland, respecting contracts.

The Commission reserves the right to reject any and all bids.

By order of the State Roads Commission this 8th day of July, 1924.

JOHN N. MACKALL,
Chairman.

L. H. STEUART,
Secretary.

Bids: July 29.

Highway Construction

Richmond, Va.

Sealed bids will be received at the Office of the State Hwy. Commission, State Office Bldg., Capitol Square, Richmond, Va. until 10:30 a.m. Tuesday, July 29th, 1924 for the construction of the following:

1. PROJ. F-137, RT-32—Gordonsville to intersect Rt. 39 E. of Mechanicsville in Louisa & Orange Co's. 4.8 mi. of 22 ft. soil road. Approx. 9 ac. clearing, 16 380 cu.yd. excav., 4,550 cu.yd. borrow, 840 lin. ft. pipe, 125 cu.yd. "A" conc., 211 cu.yd. "B" conc., 24,675 lb. reinf. steel, 1,352 lin.ft. gd. rail. Including 3 30 ft. reinforced conc. beam span over South Anna River.

2. PROJ. F-143B, RT-10—6.9 mi. E. of Bedford to 2.9 mi. E. of Bedford, in Bedford Co., 3.5 mi. of 18 ft. mac. road. Approx. 6 ac. clear. and grub. 30,957 cu.yd. excav., 1,048 lin.ft. pipe 39 cu.yd. "B" conc., 2,784 lin.ft. gd. rail. No special design bridges.

3. PROJ. F-182, RT-31—Neabsco Creek to Dunns Store, in Prince William Co., 3.6 mi. of 18 ft. conc. rd. Approx. 5 ac. clear. and grub., 47,146 cu.yd. excav., 4.485 cu.yd. borrow, 1,360 lin.ft. pipe, 76 cu.yd. "A" conc. 138 cu.yd. "B" conc. 5,553 lb. reinf. steel, 3,044 lin.ft. gd. rail. Including one 30 ft. reinf. conc. beam span over Powell's Cr. and two 30 ft. reinf. conc. beam spans over Neabsco Cr. and two 30 ft. reinf. conc. beam spans over Quantico Creek.

4. PROJ. S-354, RT-116—4 mi. So. Big Stone Gap to Scott Co. line in Wise & Lee Co's. 6.977 mi. grading and drainage, 90,785 cu.yd. excav., 2,420 lin.ft. pipe, 343 cu.yds. "A" conc. 9.5 ac. clear. 130 cu.yd. "B" conc. 25,616 lb. reinf. steel, 16,422 lin.ft. gd. rail. No special design bridges.

5. PROJ. F-372, RT-31—6.66 mi. So. Thomas Store to Thomas Store in Spotsylvania Co., 6.6 mi. of 18 ft. conc. rd. Approx. 5 ac. clear. and grub., 61,365 cu.yd. excav., 5,050 cu.yd. borrow, 1,472 lin.ft. pipe, 135 cu.yd. "A" conc., 217 cu.yd. "B" conc. 10,614 lb. reinf. steel. 3,000 lin.ft. gd. rail. Including one 45 ft. reinf. conc. beam span bridge over Massaponax Creek and one 38 ft. reinf. con. beam span bridge over Ni. River.

Proposal guaranty to be $500.00 for bids less than $100,000 and $1,000 for bids more than $100,000. Certified or cashier's check or proposal bonds acceptable.

Plans and specifications are on file at the Richmond office, State Hwy. Dept., and at the office of the following Dist. Engrs. Proj. F-137 and F-182 at Culpeper, Proj. F-143B at Salem, Proj. S-354 at Bristol, and Proj. F-372 at Fredericksburg.

Additional plans for bidders on the above projects may be obtained upon application the State Highway Dept., upon receipt of $5.00 payable to H. G. Shirley, $2.50 of which will be refunded if plans are returned within two weeks after bids are opened.

Engineers will be at the following places to show prospective bidders over the work: Proj. F-137, Res. Engr.'s Office, Gordonsville, Thursday 10:30 a.m., July 17th. Proj. F-143B, N. & W. Railroad Sta. in Bedford, 12 Noon Tuesday, July 15th, 1924. Proj. F-182, Depot at Quantico 11 a.m. Wednesday, July 23rd, 1924. Proj. S-354, Big Stone Gap 12 noon Monday, July 21st. Proj. F-372, Dist. Engr. Office, Fredericksburg, 10.30 a.m., Tuesday, July 22nd, 1924.

The State Highway Commission reserves the right to reject any or all bids.

H. G. SHIRLEY,
Chairman.

C. S. MULLEN.
Chief Engineer.

Bids: July 28.

Sanitary Sewers

Punxsutawney, Pa.

Borough of Punxsutawney, Jefferson County, Pennsylvania.

Sealed proposals addressed to the Secretary of the Town Council, Punxsutawney, Pa., endorsed "Proposal for Sanitary Sewer Construction," will be received by the Town Council at its office, until 7 p.m., Monday, July 28, 1924, and at that time will be publicly opened and read.

Work includes about 15,000 feet of sewer construction, ranging from eight-inch to 12-inch pipe, and bids will be received for the work entire, or for the construction alone, the Borough furnishing the materials.

Plans and specifications may be seen at the office of the Borough Engineer. Each bid must be accompanied by a certified check for one thousand dollars ($1,000) payable to the said Borough.

TOWN COUNCIL, BOROUGH OF PUNXSUTAWNEY, by
J. F. CROSBY,
Secretary.

Bids: July 29.

Highway Work

Harrisburg, Pa.

Pennsylvania Department of Highways, Harrisburg, Pennsylvania. Bids will be received July 29, 1924, for construction of eighteen projects, totaling forty-nine miles, construction to be either bituminous surface on a concrete base or reinforced concrete. Projects situated in the following counties:

Allegheny, Beaver, Columbia, Erie, Elk, Indiana, Lehigh, Luzerne, Wyoming, Lycoming, Potter, Somerset, Venango.

Full particulars upon application to Paul D. Wright, Secretary of Highways, Harrisburg, Pennsylvania.